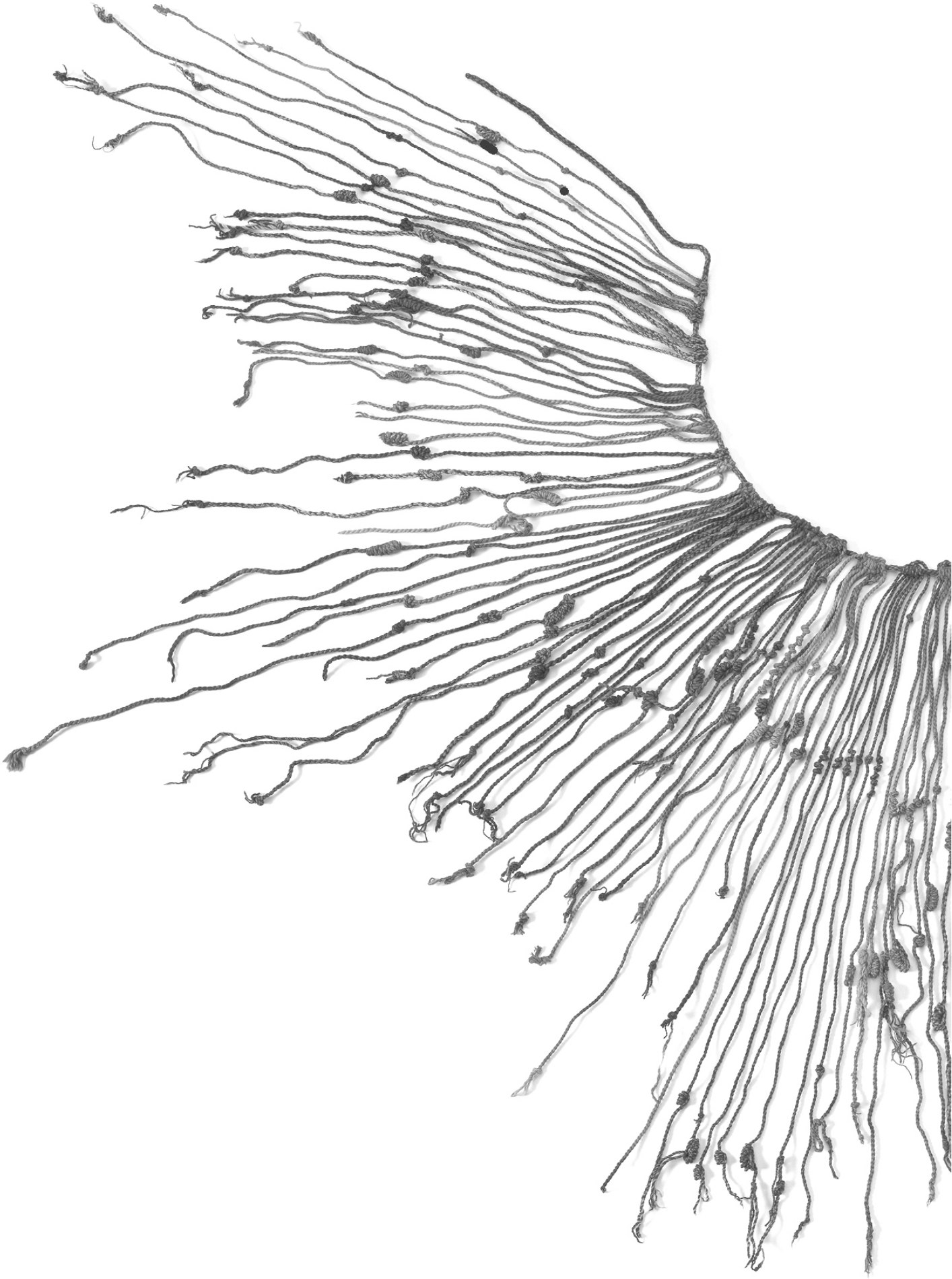
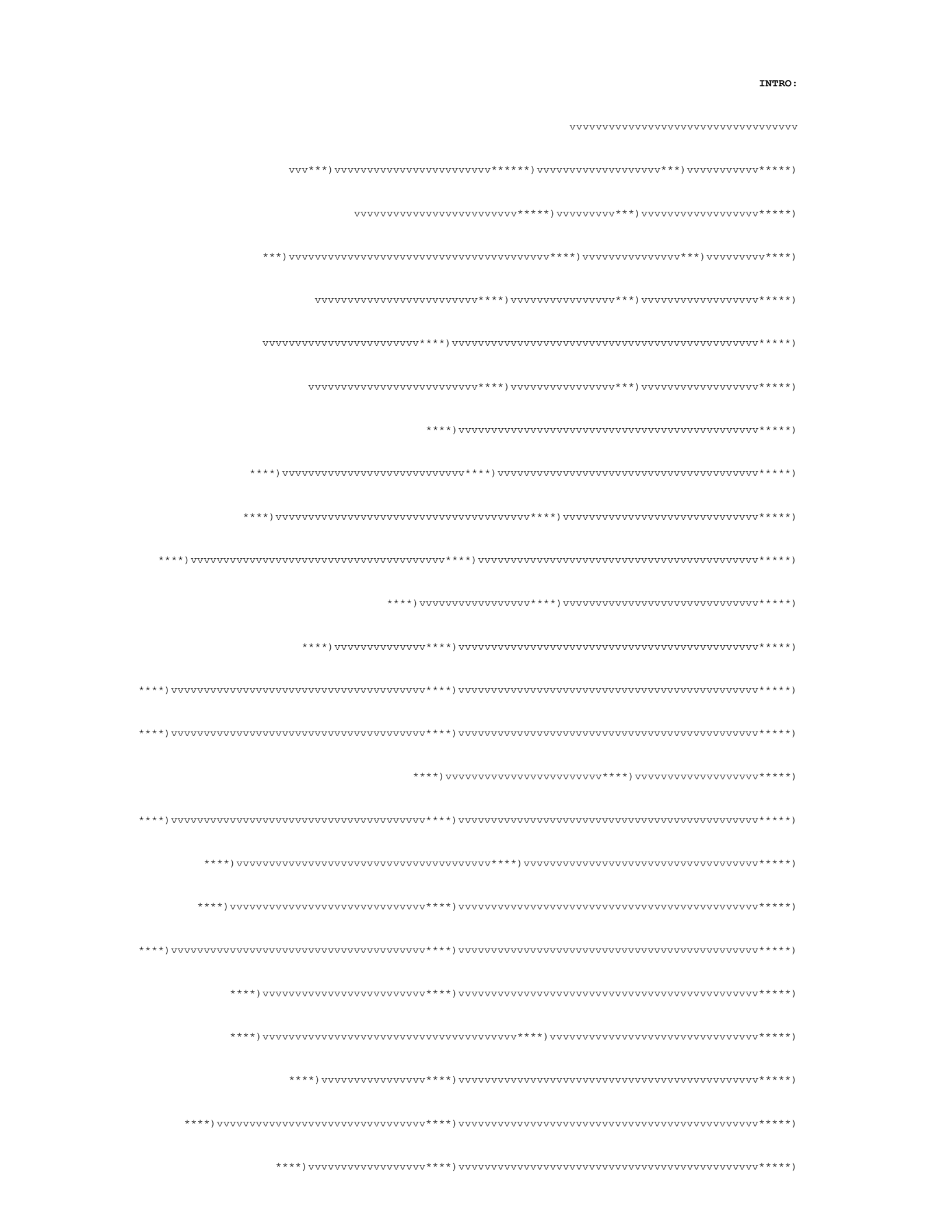


INTRO:



S: Small

M: Medium

L: Large

Cords

Primary= 100cm

Branch 1

At 10cm, **knotS**. Thread. At 5cm, **knotS**. Thread. At10cm, **knotS**. End of Branch.

Branch 2

At 10cm, **knotS**. Thread. At 5cm, **knotD**. Thread. At10cm, **knotS**. End of Branch.

Branch 3

At 8cm, **knotS**. Thread. At 5cm, **knotM**. Thread. At30cm, **knotM**. End of Branch.

Branch 4

At 20cm, **knotS**. Thread. At 1cm, **knotM**. Thread. End of Branch.

Branch 5

At 20cm, **knotS**. Thread. At 1cm, **knotS**. Thread. End of Branch.

Branch 1

Light-brown—cord—cord—cord—**S**—cord—cord—cord—**M**—cord—**S**—

Branch 2

Light-brown—cord—cord—**S**—cord—cord—cord—**M**—cord—cord—cord—cord—**S**—

Branch 3

Light-brown—cord—cord—**S**—cord—cord—**S**—cord—cord—cord—cord—cord—cord—**S**

Branch 4

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—**M**—cord—cord—cord—cord

Branch 5

Light-brown—cord—cord—cord—cord—cord—cord—**S**—cord—cord—cord—cord—cord—cord—

Branch 6

Light-brown—cord—cord—cord—cord—cord—cord—**M**—cord—cord—cord—cord—cord—cord—

Branch 7

Dark-brown—cord—cord—**S**—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord

Branch 8

Light-brown—cord—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 9

Light-brown—cord—cord—cord—**S**—cord—**S**—cord—cord—cord—cord—cord—cord—cord—

Branch 10

Light-brown—cord—cord—cord—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—

Branch 11

Light-brown—cord—cord—cord—cord—**L**—cord—cord—**M**—cord—cord—cord—cord—cord—

Branch 12

Light-brown—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 13

Light-brown—cord—cord—cord—cord—cord—cord—**S**—cord—cord—cord—cord—cord—cord—

Branch 14

Light-brown—cord—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 15

Light-brown—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 16

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—**S**—cord—cord—

Branch 17

Light-brown—cord—cord—cord—cord—cord—cord—cord—**S**—cord—cord—cord—cord—cord—

Branch 18

Light-brown—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 19

Light-brown—cord—cord—**S**—cord—cord—cord—cord—**M**—cord—cord—cord—cord—cord—

Branch 20

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 21

Light-brown—cord—cord—**M**—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 22

Light-brown—cord—cord—cord—cord—cord—cord—cord—**M**—cord—cord

Branch 23

Light-brown—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 24

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 25

Light-brown—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 26

Light-brown—cord—cord—cord—cord—cord—cord—cord—**S**—cord—cord—cord—cord—cord—

Branch 27

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 28

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 29

Light-brown—cord—cord—cord—cord—**M**—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 30

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 31

Light-brown—cord—cord—**M**—cord—cord—cord—cord—cord—**S**—cord—cord—cord—cord

Branch 32

Light-brown—cord—cord—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 33

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord

Branch 34

Light-brown—cord—**S**—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 35

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 36

Light-brown—cord—cord—cord—cord—cord**—M—**cord—cord—cord—cord—cord—cord—cord

Branch 37

Light-brown—cord—cord**—S—**cord—cord—cord—cord—cord**—S—**cord—cord—cord—cord—

Branch 38

Light-brown—cord—cord**—S—**cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 39

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord

Branch 40

Light-brown—cord**—S—**cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 41

Light-brown—cord—cord—cord—cord**—S—**cord—cord—cord—cord—cord—cord—cord—cord—

Branch 42

Light-brown—cord—cord**—S—**cord—cord—cord—cord—cord**—S—**cord—cord—cord—cord—

Branch 43

Light-brown—cord—cord—cord**—S—**cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 44

Light-brown—cord**—S—**cord—cord—cord—cord—cord—cord—cord**—S—**cord—cord—cord

Branch 45

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord

Branch 46

Light-brown—cord—cord**—S—**cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 47

Light-brown—cord—cord**—S—**cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—

Branch 48

Light-brown—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord—cord

Branch 49

Light-brown—cord—cord—cord—cord—cord—cord**—S—**cord—cord—cord—cord—cord—cord—

Branch 50

Light-brown—cord—cord—cord—cord—cord—cord**—S—**cord—cord—cord—cord—cord—cord

river

Primary= 100Y

Branch 1

At 10Y, **knotS**. River. At 5Y, **knotS**. River. At 10Y, **knotS**. End of Branch.

Branch 2

At 10Y, **knotS**. River. At 5Y, **knotM**. River. At 10Y, **knotS**. End of Branch.

Branch 3

At 8Y, **knotS**. River. At 5Y, **knotS**. River. At 30Y, **knotM**. End of Branch.

Branch 4

At 20Y, **knotM**. River. At 1Y, **knotM**. River. End of Branch.

Branch 5

At 20Y, **knotS**. River. At 1Y, **knotS**. River. End of Branch.

Branch 1

Ground—river—river—river—**S**—river—river—river—**M**—river—**S**—

Branch 2

Ground—river—river—**S**—river—river—river—**M**—river—river—river—river—**S**—

Branch 3

Ground—river—river—**S**—river—river—**S**—river—river—river—river—river—river—**S**

Branch 4

Ground—river—river—river—river—river—river—river—river—**M**—river—river—river—river

Branch 5

Ground—river—river—river—river—river—river—**S**—river—river—river—river—river—river—

Branch 6

Ground—river—river—river—river—river—river—**M**—river—river—river—river—river—river—

Branch 7

Ground—river—river—**S—S—**river—river—river—river—river—river—river—river—river—

Branch 8

Ground—river—river—river—**S**—river—river—river—river—river—river—river—river—river—

Branch 9

Ground—river—river—river—**S**—river—**S**—river—river—river—river—river—river—river—

Branch 10

Ground—river—river—river—river—river—**S**—river—river—river—river—river—river—river—

Branch 11

Ground—river—river—river—river—**L**—river—river—**M**—river—river—river—river—river—

Branch 12

Ground—river—river—**S**—river—river—river—river—river—river—river—river—river—river—

Branch 13

Ground—river—river—river—river—river—river—**S**—river—river—river—river—river—

Branch 14

Ground—river—river—river—**S**—river—river—river—river—river—river—river—river—

Branch 15

Ground—river—river——**S**—river—river—river—river—river—river—river—river—river—

Branch 16

Ground—river—river—river—river—river—river—river—river—river—river—**S**—river—

Branch 17

Ground—river—river—river—river—river—river—river——**S**—river—river—river—river—

Branch 18

Ground—river—river—river—river—river—river—river—river—river—river—river—river

Branch 19

Ground—river—river—**S**—river—river—river—river—**M**—river—river—river—river—river—

Branch 20

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river—river—

Branch 21

Ground—river—river—**M**—river—river—river—river—river—river—river—river—river—river—river—

Branch 22

Ground—river—river—river—river—river—river—river—**M**—river—river

Branch 23

Ground—river—river—**S**—river—river—river—river—river—river—river—river—river—

Branch 24

Ground—river—river—river—river—river—river—river—river—river—river—river—river—

Branch 25

Ground—river—**S**—river—river—river—river—river—river—river—river—river—river—river—

Branch 26

Ground—river—river—river—river—river—river—river—**S**—river—river—river—river—river—

Branch 27

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river—

Branch 28

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river—

Branch 29

Ground—river—river—river—river—**M**—river—river—river—river—river—river—river—river—

Branch 30

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river—

Branch 31

Ground—river—river—**M**—river—river—river—river—river—**S**—river—river—river—river

Branch 32

Ground—river—river—river—**S**—river—river—river—river—river—river—river—river—river—

Branch 33

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river

Branch 34

Ground—river—**S**—river—river—river—river—river—river—river—river—river—river—river—

Branch 35

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river—

Branch 36

Ground—river—river—river—river—river—**M**—river—river—river—river—river—river—river

Branch 37

Ground—river—river—**S**—river—river—river—river—river—**S**—river—river—river—river—

Branch 38

Ground—river—river—**S**—river—river—river—river—river—river—river—river—river—river—

Branch 39

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river

Branch 40

Ground—river—**S**—river—river—river—river—river—river—river—river—river—river—river—

Branch 41

Ground—river—river—river—river—**S**—river—river—river—river—river—river—river—river—

Branch 42

Ground—river—river—**S**—river—river—river—river—river—**S**—river—river—river—river—

Branch 43

Ground—river—river—river—**S**—river—river—river—river—river—river—river—river—river—

Branch 44

Ground—river—**S**—river—river—river—river—river—river—river—**S**—river—river—river

Branch 45

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river

Branch 46

Ground—river—river—**S**—river—river—river—river—river—river—river—river—river—river—

Branch 47

Ground—river—river—**S**—river—river—river—river—river—river—river—river—river—river—

Branch 48

Ground—river—river—river—river—river—river—river—river—river—river—river—river—river

Branch 49

Ground—river—river—river—river—river—river—**S**—river—river—river—river—river—river—

Branch 50

Ground—river—river—river—river—river—river—**S**—river—river—river—river—river—river

roads

Primary= 100km

Branch 1

At 10km, **knotS**. Road. At 5km, **knotM**. Road. At 10km, **knotS**. End of Branch.

Branch 2

At 10km, **knotS**. Road. At 5km, **knotM**. Road. At 10km, **knotS**. End of Branch.

Branch 3

At 8km, **knotS**. Road. At 5km, **knotM**. Road. At 30km, **knotS**. End of Branch.

Branch 4

At 20km, **knotS**. Road. At 1km, **knotM**. Road. End of Branch.

Branch 5

At 20km, **knotM**. Road. At 1km, **knotS**. Road. End of Branch.

Branch 1

Field–road–road–road–**S**–road–road–road–**M**–road–**S**–

Branch 2

Field–road–road–**S**–road–road–road–**M**–road–road–road–road–**S**–

Branch 3

Field–road–road–**S**–road–road–**S**–road–road–road–road–road–road–**S**

Branch 4

Field–road–road–road–road–road–road–road–road–**M**–road–road–road–road

Branch 5

Field–road–road–road–road–road–road–**S**–road–road–road–road–road–road–

Branch 6

Field–road–road–road–road–road–road–**M**–road–road–road–road–road–road–

Branch 7

Field –road–road**–S–S–**road–road–road–road–road–road–road–road–road–

Branch 8

Field–road–road–road–**S**–road–road–road–road–road–road–road–road–road–

Branch 9

Field–road–road–road–**S**–road–**S**–road–road–road–road–road–road–road–

Branch 10

Field–road–road–road–road–road–**S**–road–road–road–road–road–road–road–

Branch 11

Field–road–road–road–road–**L**–road–road–**M**–road–road–road–road–road– road–road– road–road–

Branch 12

Field–road–road–**S**–road–road–road–road–road–road–road–road–road–road–

Branch 13

Field–road–road–road–road–road–road–**S**–road–road–road–road–road–

Branch 14

Field–road–road–road–**S**–road–road–road–road–road–road–road–road–

Branch 15

Field–road–road––**S**–road–road–road–road–road–road–road–road–road–

Branch 16

Field–road–road–road–road–road–road–road–road–road–road–**S**–road–

Branch 17

Field–road–road–road–road–road–road–road––**S**–road–road–road–road–

Branch 18

Field–road–road–road–road–road–road–road–road–road–road–road–road

Branch 19

Field–road–road–**S**–road–road–road–road–**M**–road–road–road–road–road–road–road–road– road–road–

Branch 20

Field–road–road–road–road–road–road–road–road–road–road–road–road–

Branch 21

Field–road–road–**M**–road–road–road–road–road–road–road–road–road–road–

Branch 22

Field–road–road–road–road–road–road–road–**M**–road–road

Branch 23

Field–road–road–**S**–road–road–road–road–road–road–road–road–road–

Branch 24

Field–road–road–road–road–road–road–road–road–road–road–road–road–

Branch 25

Field–road–**S**–road–road–road–road–road–road–road–road–road–road–road–

Branch 26

Field–road–road–road–road–road–road–road–**S**–road–road–road–road–road–

Branch 27

Field–road–road–road–road–road–road–road–road–road–road–road–road–road–

Branch 28

Field–road–road–road–road–road–road–road–road–road–road–road–road–road–

Branch 29

Field–road–road–road–road–**M**–road–road–road–road–road–road

Branch 30

Field–road–road–road–road–road–road–road–road–road–road–road–road–road–

Branch 31

Field–road–road–**M**–road–road–road–road–road–**S**–road–road–road–road

Branch 32

Field–road–road–road–**S**–road–road–road–road–road–road–road–road–road–

Branch 33

Field–road–road–road–road–road–road–road–road–road–road–road–road–road

Branch 34

Field–road–**S**–road–road–road–road–road–road–road–road–road–road–road–

Branch 35

Field–road–road–road–road–road–road–road–road–road–road–road–road–road–

Branch 36

Field–road–road–road–road–road–**M**–road–road–road–road–road–road–road

Branch 37

Field–road–road–**S**–road–road–road–road–road–**S**–road–road–road–road–

Branch 38

Field–road–road–**S**–road–road–road–road–road–road–road–road–road–road–

Branch 39

Field–road–road–road–road–road–road–road–road–road–road–road–road–road

Branch 40

Field–road–**S**–road–road–road–road–road–road–road–road–road–road–road–

Branch 41

Field–road–road–road–road–**S**–road–road–road–road–road–road–road–road–

Branch 42

Field–road–road–**S**–road–road–road–road–road–**S**–road–road–road–road–

Branch 43

Field–road–road–road–**S**–road–road–road–road–road–road–road–road–road–road–road–road–

Branch 44

Field–road–**S**–road–road–road–road–road–road–road–**S**–road–road–road

Branch 45

Field–road–road–road–road–road–road–road–road–road–road–road–road–road

Branch 46

Field–road–road–**S**–road–road–road–road–road–road–road–road–road–road–

Branch 47

Field–road–road–**S**–road–road–road–road–road–road–road–road–road–road–road–

Branch 48–

Field–road–road–road–road–road–road–road–road–road–road–road–road–road

Branch 49

Field–road–road–road–road–road–road–**S**–road–road–road–road–road–road–

Branch 50

Field–road–road–road–road–road–road–**S**–road–road–road–road–road–road

clouds

Primary= 100 oktas

Branch 1

At 10oktas, **knotS**. Cloud. At 5 oktas, **knotM**. Cloud. At 10 oktas, **knotS**. End of Branch.

Branch 2

At 10 oktas, **knotS**. Cloud. At 5 oktas, **knotM**. Cloud. At 10 oktas, **knotS**. End of Branch.

Branch 3

At 8 oktas, **knotS**. Cloud. At 5 oktas, **knotM**. Cloud. At 30 oktas, **knotS**. End of Branch.

Branch 4

At 20 oktas, **knotS**. Cloud. At 1 oktas, **knotM**. Cloud. End of Branch.

Branch 5

At 20 oktas, **knotM**. Cloud. At 1 oktas, **knotS**. Cloud. End of Branch.

Branch 1

Horizon—cloud—cloud—cloud—**S**—cloud—cloud—cloud—**M**—cloud—**S**—

Branch 2

Horizon—cloud—cloud—**S**—cloud—cloud—cloud—**M**—cloud—cloud—cloud—cloud—**S**—

Branch 3

Horizon—cloud—cloud—**S**—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—**S**

Branch 4

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—**M**—cloud—cloud—cloud—cloud

Branch 5

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 6

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—**M**—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 7

Horizon—cloud—cloud—**S—S—**cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 8

Horizon—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 9

Horizon—cloud—cloud—cloud—**S**—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 10

Horizon—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 11

Horizon—cloud—cloud—cloud—cloud—**L**—cloud—cloud—**M**—cloud—cloud—cloud—cloud—cloud—

Branch 12

Horizon—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 13

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—

Branch 14

Horizon—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 15

Horizon—cloud—cloud—**—S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 16

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—**S**—cloud—

Branch 17

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—cloud—**—S**—cloud—cloud—cloud—cloud—

Branch 18

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud

Branch 19

Horizon-cloud-cloud-**S**-cloud-cloud-cloud-cloud-**M**-cloud-cloud-cloud-cloud-cloud-

Branch 20

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 21

Horizon-cloud-cloud-**M**-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 22

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-**M**-cloud-cloud

Branch 23

Horizon-cloud-cloud-**S**-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 24

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 25

Horizon-cloud-**S**-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 26

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-**S**-cloud-cloud

Branch 27

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 28

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 29

Horizon-cloud-cloud-cloud-cloud-**M**-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 30

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 31

Horizon-cloud-cloud-**M**-cloud-cloud-cloud-cloud-cloud-**S**-cloud-cloud-cloud-cloud

Branch 32

Horizon-cloud-cloud-cloud-**S**-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 33

Horizon-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud

Branch 34

Horizon-cloud-**S**-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-cloud-

Branch 35

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 36

Horizon—cloud—cloud—cloud—cloud—cloud—**M**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud

Branch 37

Horizon—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—

Branch 38

Horizon—cloud—cloud—**S**—cloud—cloud—cloud—cloud cloud—cloud—cloud—

Branch 39

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud

Branch 40

Horizon—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 41

Horizon—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 42

Horizon—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—

Branch 43

Horizon—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 44

Horizon—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud

Branch 45

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud

Branch 46

Horizon—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 47

Horizon—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 48—

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud—cloud

Branch 49

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud—

Branch 50

Horizon—cloud—cloud—cloud—cloud—cloud—cloud—**S**—cloud—cloud—cloud—cloud—cloud—cloud—cloud

dirt

Primary= 100 miles

Branch 1

At 10 miles, **knotS**. Dirt. At 5 miles, **knotM**. Dirt. At 10 miles, **knotS**. End of Branch.

Branch 2

At 10 miles, **knotS**. Dirt. At 5 miles, **knotM**. Dirt. At 10 miles, **knotS**. End of Branch.

Branch 3

At 8 miles, **knotS**. Dirt. At 5 miles, **knotM**. Dirt. At 30 miles, **knotS**. End of Branch.

Branch 4

At 20 miles, **knotS**. Dirt. At 1 mile, **knotM**. Dirt. End of Branch.

Branch 5

At 20 miles, **knotM**. Dirt. At 1 mile, **knotS**. Dirt. End of Branch.

Branch 1

Surface–dirt–dirt–dirt–**S**–dirt–dirt–dirt–**M**–dirt–**S**–

Branch 2

Surface–dirt–dirt–**S**–dirt–dirt–dirt–**M**–dirt–dirt–dirt–dirt–**S**–

Branch 3

Surface–dirt–dirt–**S**–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–**S**

Branch 4

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–**M**–dirt–dirt–dirt–dirt

Branch 5

Surface–dirt–dirt–dirt–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 6

Surface–dirt–dirt–dirt–dirt–dirt–dirt–**M**–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 7

Surface–dirt–dirt–**S**–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 8

Surface–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 9

Surface–dirt–dirt–dirt–**S**–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 10

Surface–dirt–dirt–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 11

Surface–dirt–dirt–dirt–dirt–**L**–dirt–dirt–**M**–dirt–dirt–dirt–dirt–dirt–

Branch 12

Surface–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 13

Surface–dirt–dirt–dirt–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–

Branch 14

Surface–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 15

Surface–dirt–dirt–––**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 16

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–**S**–dirt–

Branch 17

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–––**S**–dirt–dirt–dirt–dirt–

Branch 18

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt

Branch 19

Surface–dirt–dirt–**S**–dirt–dirt–dirt–dirt–**M**–dirt–dirt–dirt–dirt–dirt–

Branch 20

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 21

Surface–dirt–dirt–**M**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 22

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–**M**–dirt–dirt

Branch 23

Surface–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 24

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 25

Surface–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 26

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–

Branch 27

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 28

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 29

Surface–dirt–dirt–dirt–dirt–**M**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 30

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt

Branch 31

Surface–dirt–dirt–**M**–dirt–dirt–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt

Branch 32

Surface–dirt–dirt–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 33

Surface–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt

Branch 34

Surface–dirt–**S**–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–dirt–

Branch 35

Surface—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—

Branch 36

Surface—dirt—dirt—dirt—dirt—dirt—**M**—dirt—dirt—dirt—dirt—dirt—dirt—dirt

Branch 37

Surface—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—**S**—dirt—dirt—dirt—dirt—

Branch 38

Surface—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—

Branch 39

Surface—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt

Branch 40

Surface—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt

Branch 41

Surface—dirt—dirt—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—

Branch 42

Surface—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—**S**—dirt—dirt—dirt—dirt—

Branch 43

Surface—dirt—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—

Branch 44

Surface—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—dirt—**S**—dirt—dirt—dirt

Branch 45

Surface—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt

Branch 46

Surface—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—

Branch 47

Surface—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—

Branch 48—

Surface—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt—dirt

Branch 49

Surface—dirt—dirt—dirt—dirt—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt—

Branch 50

Surface—dirt—dirt—dirt—dirt—dirt—dirt—**S**—dirt—dirt—dirt—dirt—dirt—dirt

human

Primary= 100 years

Branch 1

At 10 years, **knotS**. Human. At 5 years, **knotM**. Humans. At 10 years, **knotS**. End of Branch.

Branch 2

At 10 t, **knotS**. Humans. At 5 years, **knotM**. Humans. At 10 years, **knotS**. End of Branch.

Branch 3

At 8 years, **knotS**. Humans. At 5 years, **knotM**. Humans. At 30 years, **knotS**. End of Branch.

Branch 4

At 20 years, **knotS**. Humans. At 1 mile, **knotM**. Humans. End of Branch.

Branch 5

At 20 years, **knotM**. Humans. At 1 mile, **knotS**. Humans. End of Branch.

Tribe 1

Surface—Human—human—human—**S**—human—human—human—**M**—human—**S**—

Branch 2

Surface—human—human—**S**—human—human—human—**M**—human—human—human—human—**S**—

Branch 3

Surface—human—human—**S**—human—human—**S**—human—human—human—human—human—human—**S**

Branch 4

Surface—human—human—human—human—human—human—human—human—**M**—human—human—human—human

Branch 5

Surface—human—human—human—human—human—human—**S**—human—human—human—human—human—human—

Branch 6

Surface—human—human—human—human—human—human—**M**—human—human—human—human—human—human—

Branch 7

Surface—human—human**—S—S—**human—human—human—human—human—human—human—human—human—

Branch 8

Surface—human—human—human—**S**—human—human—human—human—human—human—human—human—human—human—human—

human—

Branch 9

Surface—human—human—human—**S**—human—**S**—human—human—human—human—human—human—human—

Branch 10

Surface—human—human—human—human—human—**S**—human—human—human—human—human—human—human—

Branch 11

Surface—human—human—human—human—**L**—human—human—**M**—human—human—human—human—human—

Branch 12

Surface—human—human—**S**—human—human—human—human—human—human—human—human—human—human—

Branch 13

Surface—human—human—human—human—human—human—**S**—human—human—human—human—human—

Branch 14

Surface—human—human—human—**S**—human—human—human—human—human—human—human—human—

Branch 15

Surface—human—human—**—S**—human—human—human—human—human—human—human—human—human—

Branch 16

Surface—human—human—human—human—human—human—human—human—human—human—**S**—human—

Branch 17

Surface—human—human—human—human—human—human—human——**S**—human—human—human—human—

Branch 18

Surface—human—human—human—human—human—human—human—human—human—human—human—human

Branch 19

Surface—human—human—**S**—human—human—human—human—**M**—human—human—human—human—human—

Branch 20

Surface—human—human—human—human—human—human—human—human—human—human—human—human—human—

Branch 21

Surface—human—human—**M**—human—human—human—human—human—human—human—human—human—human—human—human—human—

human—

Branch 22

Surface—human—human—human—human—human—human—human—**M**—human—human

Branch 23

Surface—human—human—**S**—human—human—human—human—human—human—human—human—human—

Branch 24

Surface—human—human—human—human—human—human—human—human—human—human—human—human—

Branch 25

Surface—human—**S**—human—human—human—human—human—human—human—human—human—human—

Branch 26

Surface—human—human—human—human—human—human—human—**S**—human—human—human—human—human—

Branch 27

Surface—human—human—human—human—human—human—human—human—human—human—human—human—human—

Branch 28

Surface—human—human—human—human—human—human—human—human—human—human—human—human—human—

Branch 29

Surface—human—human—human—human—**M**—human—human—human—human—human—human—human—human—

Branch 30

Surface—human—human—human—human—human—human—human—human—human

Branch 31

Surface—human—human—**M**—human—human—human—human—human—**S**—human—human—human—human

Branch 32

Surface—human—human—human—**S**—human—human—human—human—human—human—human—human—human—

Branch 33

Surface—human—human—human—human—human—human—human—human—human—human—human—human—human

Branch 34

Surface—human—**S**—human—human—human—human—human—human—human—human—human—human—human—

Branch 35

Surface—human—human—human—human—human—human—human—human—human—

Branch 36

Surface—human—human—human—human—human**—M—**human—human—human—human—human—human—human—human

Branch 37

Surface—human—human**—S—**human—human—human—human—human—human**—S—**human—human—human—human—

Branch 38

Surface—human—human**—S—**human—human—human—human—human—human—human—human—human—human—human—

Branch 39

Surface—human—human—human—human—human—human—human—human—human—human—human—human—human—human

Branch 40

Surface—human**—S—**human—human—human—human—human—human—human—human

Branch 41

Surface—human—human—human—human**—S—**human—human—human—human—human—human—human—human—

Branch 42

Surface—human—human**—S—**human—human—human—human—human—human**—S—**human—human—human—human—

Branch 43

Surface—human—human—human**—S—**human—human—human—human—human—human—human—human—human—human—

Branch 44

Surface—human**—S—**human—human—human—human—human—human—human—human**—S—**human—human—human

Branch 45

Surface—human—human—human—human—human—human—human—human—human—human—human—human—human—human

Branch 46

Surface—human—human**—S—**human—human—human—human—human—human—human—human—human—human—human—

Branch 47

Surface—human—human**—S—**human—human—human—human—human—human—human—human—human—human—human—

Branch 48—

Surface—human—human—human—human—human—human—human—human—human—human—human—human—human—human

Branch 49

Surface—human—human—human—human—human—human—human**—S—**human—human—human—human—human—human—human—

Branch 50

Surface—human—human—human—human—human—human—human**—S—**human—human—human—human—human—human