SpeedCubeDB

1LLL 13

1LLL 13 1

F R U' R' U2 R U R' U R U' R' F'

1LLL 13 2

y2 r U r' U R U' R2 r U' M U R U' R'

1LLL 13 3

y2 F U' R U R' U2 R U R' U R U R' U F'

1LLL 13 4

R' U' F' U F R f R U R' U' f'

R' U' F' U F R U2 F U R U' R' F'

R' U' F' U F R U R U B U' B' R'

1LLL 13 5

y M' U' F R U' R' F' r2 F r U' F R

1LLL 13 6

R' U' R U' r U R2 U R2 U2 r'

SpeedCubeDB

1LLL 13

1LLL 13 7

y2 r U' r' U R U R' U r U2 r' U r U r'

1LLL 13 8

y R' U2 R2 U R2 U r U' R U' R' U M

1LLL 13 9

R U R' F' U2 F U R' F R F' R U2 R'

1LLL 13 10

y' R U R' U R' F R F' R U' R' F' U2 F R U' R'

1LLL 13 11

y r' U2 R U R' F U r F R U' R' F'

1LLL 13 12

y R U R' U2 F' r U' r' F2 U' R U2 R'
U2 r U R' U' r' R U R U' M' U R' U R U2 r'

SpeedCubeDB

1LLL 13

1LLL 13 13

R' F R' F' R2 U R' U' R' F R F' R

1LLL 13 14

y' R' U2 R U R' F R' F' R2 U' R' U2 R

1LLL 13 15

y2 R U R' U' R' F R F' R U' L' U R' U' L

1LLL 13 16

y2 r' U2 R U R' U r U R' U' R' F R F' U R

1LLL 13 17

R' D R2 F R U R' U' F' U R2 D' R

1LLL 13 18

y R' U' F' U F R F R U R' U' R U R' U' F'

SpeedCubeDB

1LLL 13

1LLL 13 19

y' R U R' U R U2 R' U' R U R' F' U2 F R U' R'

1LLL 13 20

y' r' U2 F' U R' U2 R U R' U R U' F U2 r

1LLL 13 21

y R' U' R' F R F' U R U' R U R' U R U2 R'

1LLL 13 22

y' R U2 R2 U' R2 U' R2 U F' U F R

1LLL 13 23

y' R U R' U R U2 R' U R' U' F' U F R

1LLL 13 24

y2 F R U' R' U2 R U R' U R' F R F' R U' R' F'

SpeedCubeDB

1LLL 13

1LLL 13 25

y r U R' U R U2 r' U' R U R' U' R' F R F'

1LLL 13 26

y2 R U R' U' R' F R F' R U R' U R U2 R'

1LLL 13 27

y2 r U' r' F R U R' U' R F' r U R2 U R U' r'

1LLL 13 28

y2 R U R' U' R' F R F' U' R' U2 R U R' U R

1LLL 13 29

y' R' U' R F U R U' R' F' U2 R' U R U' R' U2 R

1LLL 13 30

R' F R U R' U' F' U R2 U R' U R U2 R'

SpeedCubeDB

1LLL 13

1LLL 13 31

y' F R' F' R U2 R U2 R' U2 R' F' U' F U R

1LLL 13 32

y2 R F U R' U' F' U2 R U2 R' U' R2 U' R2

1LLL 13 33

y' R' U' R U' R' U' r U R' U' F' U' F M R

1LLL 13 34

y R' U2 F U R U2 R' U' r U2 r' U' F' U R

1LLL 13 35

r U' r' F U2 F U2 R U R' U' F'

1LLL 13 36

y F R U R' U' R U R' U F' U2 F' r U r'

SpeedCubeDB

1LLL 13

1LLL 13 37

y' R' U2 R U R' U' R U y r U' r' U r U r'

1LLL 13 38

F' U' F r U' r' U r' U r2 U r2 U' r

1LLL 13 39

R' F' r' F2 r U r' F2 r U' F U R

1LLL 13 40

F' U F R U R' F2 r U r' U r' F r F

1LLL 13 41

F R U R' U r U' r' U' r F R U' R' F' r'

1LLL 13 42

y R' F' U' F U R r U R U' r' F R' F'

SpeedCubeDB

1LLL 13

1LLL 13 43

y R U R' U R' U' F' U F R2 U' R'

1LLL 13 44

F R U R' U' R U' R' U' R U2 R' U' F'

1LLL 13 45

y R U R2 F' U F R f R' f' U R U' R'
y R U R' U' R U R' F' U2 F R U2 R'

1LLL 13 46

y2 F U R U2 R' U' R U R' F'

1LLL 13 47

y' F R' F' R U' F2 r U r' F U' R U2 R'

1LLL 13 48

y2 F R U' R' U R U R' F' R U R' U R U2 R'

SpeedCubeDB

1LLL 13

1LLL 13 49

y' r U' r' F U F R U2 R' U2 R U R' F'

1LLL 13 50

y2 R' U' R' F' R U R U' R' U' F U' R U R' U R

1LLL 13 51

y2 F U R U' R2 F' U2 R U R U' R2 U2 R

1LLL 13 52

y2 R' U' R U R' U F U R U' R' F' R U' R' U R

1LLL 13 53

y' R U2 R' F' R U2 R' U2 R' U' F U R

1LLL 13 54

R' U2 R U2 R' U R U2 R' F' U F U R

SpeedCubeDB

1LLL 13

1LLL 13 55

r' U' M' U R' D' R U2 R' D R2 U r' U r

1LLL 13 56

y r U R' U' r' F R F' U' F R U R' U' F'

1LLL 13 57

y2 F U R U' R2 F' R U R U' R'

1LLL 13 58

y2 F U' R U' R' U' F' U F R U2 R' U F'

1LLL 13 59

r' F' U' F U r F R' F' R U2 R U2 R'

1LLL 13 60

y' R U R' U2 R' U' F U R U' R' F' R2 U2 R'

SpeedCubeDB

1LLL 13

1LLL 13 61

R2 F2 R F U r' F r2 U r' U' R

1LLL 13 62

y F' U F U' R U' R' U' R U R' F R' F' R

1LLL 13 63

y2 r U' r' U' r U r' F' U F

1LLL 13 64

y' F' R U2 R' U' F2 U' F' U R U R' F' U' F'

1LLL 13 65

y' r' D' r U' r' D r U F R' F' R

1LLL 13 66

y2 F U R U' R' U R U' R2 D' R U R' D R U' F'

SpeedCubeDB

1LLL 13

1LLL 13 67

y F R U R' U' R' F' R2 U R' F' U2 F R U2 R'

1LLL 13 68

y2 r U' r' F R U R' U' R' F' r U2 R U' r'

1LLL 13 69

y' r' U' F U M' F R U' R' F' R
R U R' y' R2 r U R U' r' U' R
R U R2 F R F' R U' R' F R' F' R2 U' R'

1LLL 13 70

R2 F R2 U R' U' F' U2 R U2 R' U' R U R' U2 R

1LLL 13 71

y' F R U R2 U' F' U F R2 U' R' U R U R' F'

1LLL 13 72

y R' F' U' F U' R' D' r U2 r' D R2