Round 0 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	5 6 7 8 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 3	9 10 11 12  34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 4  Shift to the left by 29-bit	13 14 15 16 19 50 51 52 53 54 55 56 57 58 59 60 61 62 63 6	17 18 19 4 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79
Round 1 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	48 49 50 51 52 53 54 55 56 57 58 59 60 61 <b>62 6</b> 3	63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 7	13	17
	5	Shift to the left by 29-bit	13 14 15 16	
Round 2 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	77 78 79 0 1 2 3 4 5 6 7 8 9 10 11 1	12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 2  Shift to the left by 29-bit	27   28   29   30   31   32   33   34   35   36   37   38   39   40   41   4:	2 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57
Round 3 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 4	9	13	1 72 73 74 75 76 77 78 79 0 1 2 3 4 5 6
Round 4 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54	55   56   57   58   59   60   61   62   63   64   65   66   67   68   69   70	70 71 72 73 74 75 76 77 78 79 0 1 2 3 4 8	13	0 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
	5 6 7 8	Shift to the left by 29-bit	13 14 15 16	17 18 19
Round 5 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 0 1 2 3	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 1	Shift to the left by 29-bit	14   35   36   37   38   39   40   41   42   43   44   45   46   47   48   47	9 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64
Round 6   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   32	33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 44	9 10 11 11 12 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 6 Shift to the left by 29-bit	13	17
Round 7 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	6 7 7 7 8 8 8 8 6 6 6 6 6 6 6 6 6 6 6 6	9	13	7 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42
Round 8 72 73 74 75 76 77 78 79 0 1 2 3 4 5 6 7 8 9 10	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 20	9 10 11 12	11 42 43 44 45 46 47 48 49 50 51 52 53 54 55 5	6 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71
	5	Shift to the left by 29-bit	13 14 15 16	17 18 19
Round 9 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 S S	40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 53	55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 7  Shift to the left by 29-bit	70 71 72 73 74 75 76 77 78 79 0 1 2 3 4 5	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Round 10 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68	5     4     5     7     8       69     70     71     72     73     74     75     76     77     78     79     0     1     2     3     4       1     1     1     1     1     1     1     1     1     1     2     3     4	12   12   14   15   6   7   8   9   10   11   12   13   14   15   16   17   18   1	13	4 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49
Round 11 79 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33	33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 4	13	3 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78
S S S 3 3 3 4 4 4 4 5 46	5	Shift to the left by 29-bit  9	13	18 19 19 20 21 22 23 24 25 26 27 28 24 25 26 27
		Shift to the left by 29-bit	13 14 15 16	17 18 19
Round 13 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 S S S	76 77 78 79 0 1 2 3 4 5 6 7 8 9 10 1	11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 2  Shift to the left by 29-bit	16   27   28   29   30   31   32   33   34   35   36   37   38   39   40   4	1 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56
Round 14 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	5	9 10 11 11 12 12 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 15  Shift to the left by 29-bit	13 14 15 16 5 56 57 58 59 60 61 62 63 64 65 66 67 68 69 7	0 71 72 73 74 75 76 77 78 79 0 1 2 3 4 5
Round 15 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	5	69 70 71 72 73 74 75 76 77 78 79 0 1 2 3 3 4 4 5 5 6 5 77 78 79 0 1 2 3 4 5 6 7 7 7 7 8 7 9 0 1 2 3 4 5 6 7 7 7 8 7 9 0 1 1 2 3 4 5 6 7 7 7 8 7 9 0 1 1 2 3 4 5 6 7 7 7 8 7 9 0 1 1 2 3 4 5 6 7 7 7 8 7 9 0 1 1 2 3 4 5 6 7 7 7 8 7 9 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 6 7 7 7 8 7 9 1 0 1 1 2 3 4 5 7 7 7 8 7 9 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13	9 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
Round 16 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 0 1 2	5	Shift to the left by 29-bit  9	13 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	18
	5 6 7 8 8	Shift to the left by 29-bit	13 14 15 16	17 18 19
Round 17   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31   31   32   33   33   34   35   35   35   35   35	32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 4	17 48 49 50 51 52 53 54 55 56 57 58 59 60 61 6 Shift to the left by 29-bit	32 63 64 65 66 67 68 69 70 71 72 73 74 75 76 7	7 78 79 0 1 2 3 4 5 6 7 8 9 10 11 12
Round 18 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76	9	16 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 2	6 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41
Round 19 71 72 73 74 75 76 77 78 79 0 1 2 3 4 5 6 7 8 9	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 23 4 24 24 24 24 24 24 24 24 24 24 24 24 2		13	5 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70
S S S 3 3 4 4 4 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	39 40 41 42 43 44 45 46 47 48 49 50 51 50 52 75	Shift to the left by 29-bit  10  11  12  54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 6	13 14 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	17