0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	5	5	4	3	1	2	2	2	2	6	1	3	3	5	5	5	5

maxRunIndex	-1
maxRunLength	1
runIndex	0
runLength	1
i	1
values[i]	5
value[r1]	0
runIndex	1
runLength	1.
i	2
value[i]	5
value[R1]	5
runLength	2
maxrunLength	2.
maxRunIndex	1
i	3.
value[i]	4.
value[R1]	5

runIndex	3
runLength	1
i	4
value[i]	3
value[R1]	4
runIned	4
runLength	1.
i	5
value[5]	1
value[R1]	3
runIndex	5
runLength	1
i	6
value[i]	2
value[R1]	1
runIndex	6
runLength	1
i	7

value[i]	2
value[R1]	2
runLength	2
i	8
value[i]	2
value[R1]	2
runLength	3
maxrunLength	3
maxRunIndex	6
i	9
value[i]	2
value[R1]	2
runLength	4
maxrunLength	4
maxRunIndex	6
i	10
value[i]	6
value[R1]	2.

ranIndex	10
runLength	1.
i	11
value[i]	1
value[RI]	6
runIndex	11
runLength	8.1
i	12
value[i]	3
value[RI]	1
runIndex	12
runLength	1
i	13
value[i]	3
value[RI]	3
runLength	2
i	14
value[i]	5
value[RI]	3
runIndex	14
runLength	1
i	15
value[i]	5
value[RI]	5
runLength	2
i	16
value[i]	5

value[RI]	5
runLength	3
i	17
value[i]	5
value[RI]	5
runLength	~~4~~
maxRunLength	~~4~~
maxRunIndex	~~4.~~
return	14.
return	6.