

File - Deque Simulated outcome

```
1 C:\Users\kweku\AppData\Local\Programs\Python\Python38\python.exe C:/  
    Users/kweku/PycharmProjects/asgn2/binarySearch.py  
2 half full deque  
3 75 51 28 29 54 56 62 100 83 64  
4 Current Size: 10  
5 -----  
6 1st Deque  
7 -----  
8 Front Simulation  
9 Nothing Happened  
10 Current Size: 0  
11 Deque is empty  
12 -----  
13 Back Simulation  
14 Nothing Happened  
15 Current Size: 0  
16 Deque is empty  
17 ****  
18 -----  
19 1st Deque  
20 -----  
21 Front Simulation  
22 Nothing Happened  
23 Current Size: 0  
24 Deque is empty  
25 -----  
26 Back Simulation  
27 Nothing Happened  
28 Current Size: 0  
29 Deque is empty  
30 ****  
31 -----  
32 1st Deque  
33 -----  
34 Front Simulation  
35 Nothing Happened  
36 Current Size: 0  
37 Deque is empty  
38 -----  
39 Back Simulation  
40 Nothing Happened  
41 Current Size: 0  
42 Deque is empty  
43 ****  
44 -----  
45 1st Deque  
46 -----  
47 Front Simulation  
48 74.75730107675673 was added to Front Index  
49 Front element 74.75730107675673  
50 Current Size: 1  
51 -----  
52 Back Simulation  
53 Nothing Happened
```

```
54 Back element 74.75730107675673
55 Current Size: 1
56 ****
57 -----
58 1st Deque
59 -----
60 Front Simulation
61 Nothing Happened
62 Front element 74.75730107675673
63 Current Size: 1
64 -----
65 Back Simulation
66 Nothing Happened
67 Back element 74.75730107675673
68 Current Size: 1
69 ****
70 -----
71 1st Deque
72 -----
73 Front Simulation
74 Nothing Happened
75 Front element 74.75730107675673
76 Current Size: 1
77 -----
78 Back Simulation
79 Nothing Happened
80 Back element 74.75730107675673
81 Current Size: 1
82 ****
83 -----
84 1st Deque
85 -----
86 Front Simulation
87 Nothing Happened
88 Front element 74.75730107675673
89 Current Size: 1
90 -----
91 Back Simulation
92 Nothing Happened
93 Back element 74.75730107675673
94 Current Size: 1
95 ****
96 -----
97 1st Deque
98 -----
99 Front Simulation
100 Nothing Happened
101 Front element 74.75730107675673
102 Current Size: 1
103 -----
104 Back Simulation
105 74.75730107675673 was remove from Back Index
106 Current Size: 0
```

File - Deque Simulated outcome

```
107 Deque is empty
108 ****
109 -----
110 1st Deque
111 -----
112 Front Simulation
113 30.49545103324506 was added to Front Index
114 Front element 30.49545103324506
115 Current Size: 1
116 -----
117 Back Simulation
118 Nothing Happened
119 Back element 30.49545103324506
120 Current Size: 1
121 ****
122 -----
123 1st Deque
124 -----
125 Front Simulation
126 30.49545103324506 was remove from Front Index
127 Current Size: 0
128 Deque is empty
129 -----
130 Back Simulation
131 Nothing Happened
132 Current Size: 0
133 Deque is empty
134 ****
135 -----
136 1st Deque
137 -----
138 Front Simulation
139 0.014891938611043543 was added to Front Index
140 Front element 0.014891938611043543
141 Current Size: 1
142 -----
143 Back Simulation
144 Nothing Happened
145 Back element 0.014891938611043543
146 Current Size: 1
147 ****
148 -----
149 1st Deque
150 -----
151 Front Simulation
152 0.014891938611043543 was remove from Front Index
153 Current Size: 0
154 Deque is empty
155 -----
156 Back Simulation
157 Nothing Happened
158 Current Size: 0
159 Deque is empty
```

```
160 ****
161 -----
162 1st Deque
163 -----
164 Front Simulation
165 Nothing Happened
166 Current Size: 0
167 Deque is empty
168 -----
169 Back Simulation
170 Nothing Happened
171 Current Size: 0
172 Deque is empty
173 ****
174 -----
175 1st Deque
176 -----
177 Front Simulation
178 Nothing Happened
179 Current Size: 0
180 Deque is empty
181 -----
182 Back Simulation
183 Nothing Happened
184 Current Size: 0
185 Deque is empty
186 ****
187 -----
188 1st Deque
189 -----
190 Front Simulation
191 Nothing Happened
192 Current Size: 0
193 Deque is empty
194 -----
195 Back Simulation
196 Nothing Happened
197 Current Size: 0
198 Deque is empty
199 ****
200 -----
201 1st Deque
202 -----
203 Front Simulation
204 Nothing Happened
205 Current Size: 0
206 Deque is empty
207 -----
208 Back Simulation
209 Nothing Happened
210 Current Size: 0
211 Deque is empty
212 ****
```

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212 *****
213 -----
214 1st Deque
215 -----
216 Front Simulation
217 Nothing Happened
218 Current Size: 0
219 Deque is empty
220 -----
221 Back Simulation
222 Nothing Happened
223 Current Size: 0
224 Deque is empty
225 ****
226 -----
227 1st Deque
228 -----
229 Front Simulation
230 Nothing Happened
231 Current Size: 0
232 Deque is empty
233 -----
234 Back Simulation
235 Nothing Happened
236 Current Size: 0
237 Deque is empty
238 ****
239 -----
240 1st Deque
241 -----
242 Front Simulation
243 Nothing Happened
244 Current Size: 0
245 Deque is empty
246 -----
247 Back Simulation
248 Nothing Happened
249 Current Size: 0
250 Deque is empty
251 ****
252 -----
253 1st Deque
254 -----
255 Front Simulation
256 Nothing Happened
257 Current Size: 0
258 Deque is empty
259 -----
260 Back Simulation
261 Nothing Happened
262 Current Size: 0
263 Deque is empty
264 ****
*****
```

```
265 -----
266 1st Deque
267 -----
268 Front Simulation
269 Nothing Happened
270 Current Size: 0
271 Deque is empty
272 -----
273 Back Simulation
274 Nothing Happened
275 Current Size: 0
276 Deque is empty
277 ****
278 -----
279 1st Deque
280 -----
281 Front Simulation
282 Nothing Happened
283 Current Size: 0
284 Deque is empty
285 -----
286 Back Simulation
287 Nothing Happened
288 Current Size: 0
289 Deque is empty
290 ****
291 -----
292 1st Deque
293 -----
294 Front Simulation
295 Nothing Happened
296 Current Size: 0
297 Deque is empty
298 -----
299 Back Simulation
300 Nothing Happened
301 Current Size: 0
302 Deque is empty
303 ****
304 -----
305 1st Deque
306 -----
307 Front Simulation
308 Nothing Happened
309 Current Size: 0
310 Deque is empty
311 -----
312 Back Simulation
313 Nothing Happened
314 Current Size: 0
315 Deque is empty
316 ****
317 -----
```

```
318 1st Deque
319 -----
320 Front Simulation
321 Nothing Happened
322 Current Size: 0
323 Deque is empty
324 -----
325 Back Simulation
326 Nothing Happened
327 Current Size: 0
328 Deque is empty
329 ****
330 -----
331 1st Deque
332 -----
333 Front Simulation
334 Nothing Happened
335 Current Size: 0
336 Deque is empty
337 -----
338 Back Simulation
339 Nothing Happened
340 Current Size: 0
341 Deque is empty
342 ****
343 -----
344 1st Deque
345 -----
346 Front Simulation
347 Nothing Happened
348 Current Size: 0
349 Deque is empty
350 -----
351 Back Simulation
352 Nothing Happened
353 Current Size: 0
354 Deque is empty
355 ****
356 -----
357 1st Deque
358 -----
359 Front Simulation
360 Nothing Happened
361 Current Size: 0
362 Deque is empty
363 -----
364 Back Simulation
365 Nothing Happened
366 Current Size: 0
367 Deque is empty
368 ****
369 -----
370 1st Deque
```

```
371 -----
372 Front Simulation
373 Nothing Happened
374 Current Size: 0
375 Deque is empty
376 -----
377 Back Simulation
378 Nothing Happened
379 Current Size: 0
380 Deque is empty
381 ****
382 -----
383 1st Deque
384 -----
385 Front Simulation
386 Nothing Happened
387 Current Size: 0
388 Deque is empty
389 -----
390 Back Simulation
391 93.30243597146124 was added to Back Index
392 Back element 93.30243597146124
393 Current Size: 1
394 ****
395 -----
396 1st Deque
397 -----
398 Front Simulation
399 Nothing Happened
400 Front element 93.30243597146124
401 Current Size: 1
402 -----
403 Back Simulation
404 93.30243597146124 was remove from Back Index
405 Current Size: 0
406 Deque is empty
407 ****
408 -----
409 1st Deque
410 -----
411 Front Simulation
412 Nothing Happened
413 Current Size: 0
414 Deque is empty
415 -----
416 Back Simulation
417 Nothing Happened
418 Current Size: 0
419 Deque is empty
420 ****
421 -----
422 1st Deque
423 -----
```

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424 Front Simulation
425 Nothing Happened
426 Current Size: 0
427 Deque is empty
428 -----
429 Back Simulation
430 Nothing Happened
431 Current Size: 0
432 Deque is empty
433 ****
434 -----
435 1st Deque
436 -----
437 Front Simulation
438 Nothing Happened
439 Current Size: 0
440 Deque is empty
441 -----
442 Back Simulation
443 Nothing Happened
444 Current Size: 0
445 Deque is empty
446 ****
447 -----
448 1st Deque
449 -----
450 Front Simulation
451 Nothing Happened
452 Current Size: 0
453 Deque is empty
454 -----
455 Back Simulation
456 Nothing Happened
457 Current Size: 0
458 Deque is empty
459 ****
460 -----
461 1st Deque
462 -----
463 Front Simulation
464 Nothing Happened
465 Current Size: 0
466 Deque is empty
467 -----
468 Back Simulation
469 Nothing Happened
470 Current Size: 0
471 Deque is empty
472 ****
473 -----
474 1st Deque
475 -----
476 Front Simulation
```

```
477 Nothing Happened
478 Current Size: 0
479 Deque is empty
480 -----
481 Back Simulation
482 Nothing Happened
483 Current Size: 0
484 Deque is empty
485 ****
486 -----
487 1st Deque
488 -----
489 Front Simulation
490 13.71967943289846 was added to Front Index
491 Front element 13.71967943289846
492 Current Size: 1
493 -----
494 Back Simulation
495 13.71967943289846 was remove from Back Index
496 Current Size: 0
497 Deque is empty
498 ****
499 -----
500 1st Deque
501 -----
502 Front Simulation
503 Nothing Happened
504 Current Size: 0
505 Deque is empty
506 -----
507 Back Simulation
508 Nothing Happened
509 Current Size: 0
510 Deque is empty
511 ****
512 -----
513 1st Deque
514 -----
515 Front Simulation
516 Nothing Happened
517 Current Size: 0
518 Deque is empty
519 -----
520 Back Simulation
521 Nothing Happened
522 Current Size: 0
523 Deque is empty
524 ****
525 -----
526 1st Deque
527 -----
528 Front Simulation
529 Nothing Happened
```

File - Deque Simulated outcome

```
530 Current Size: 0
531 Deque is empty
532 -----
533 Back Simulation
534 77.3411290701091 was added to Back Index
535 Back element 77.3411290701091
536 Current Size: 1
537 ****
*****
538 -----
539 1st Deque
540 -----
541 Front Simulation
542 81.18105053477515 was added to Front Index
543 Front element 81.18105053477515
544 Current Size: 2
545 -----
546 Back Simulation
547 77.3411290701091 was remove from Back Index
548 Back element 81.18105053477515
549 Current Size: 1
550 ****
*****
551 -----
552 1st Deque
553 -----
554 Front Simulation
555 Nothing Happened
556 Front element 81.18105053477515
557 Current Size: 1
558 -----
559 Back Simulation
560 81.18105053477515 was remove from Back Index
561 Current Size: 0
562 Deque is empty
563 ****
*****
564 -----
565 1st Deque
566 -----
567 Front Simulation
568 Nothing Happened
569 Current Size: 0
570 Deque is empty
571 -----
572 Back Simulation
573 Nothing Happened
574 Current Size: 0
575 Deque is empty
576 ****
*****
577 -----
578 1st Deque
579 -----
580 Front Simulation
581 Nothing Happened
582 Current Size: 0
```

File - Deque Simulated outcome

```
583 Deque is empty
584 -----
585 Back Simulation
586 Nothing Happened
587 Current Size: 0
588 Deque is empty
589 ****
*****  
590 -----
591 1st Deque
592 -----
593 Front Simulation
594 Nothing Happened
595 Current Size: 0
596 Deque is empty
597 -----
598 Back Simulation
599 Nothing Happened
600 Current Size: 0
601 Deque is empty
602 ****
*****  
603 -----
604 1st Deque
605 -----
606 Front Simulation
607 61.25867490755184 was added to Front Index
608 Front element 61.25867490755184
609 Current Size: 1
610 -----
611 Back Simulation
612 61.25867490755184 was remove from Back Index
613 Current Size: 0
614 Deque is empty
615 ****
*****  
616 -----
617 1st Deque
618 -----
619 Front Simulation
620 Nothing Happened
621 Current Size: 0
622 Deque is empty
623 -----
624 Back Simulation
625 Nothing Happened
626 Current Size: 0
627 Deque is empty
628 ****
*****  
629 -----
630 1st Deque
631 -----
632 Front Simulation
633 75.02217712454024 was added to Front Index
634 Front element 75.02217712454024
635 Current Size: 1
```

```
636 -----
637 Back Simulation
638 Nothing Happened
639 Back element 75.02217712454024
640 Current Size: 1
641 ****
642 -----
643 1st Deque
644 -----
645 Front Simulation
646 Nothing Happened
647 Front element 75.02217712454024
648 Current Size: 1
649 -----
650 Back Simulation
651 58.4049650539782 was added to Back Index
652 Back element 58.4049650539782
653 Current Size: 2
654 ****
655 -----
656 2nd Deque
657 -----
658 Front Simulation
659 Nothing Happened
660 Current Size: 0
661 Deque is empty
662 -----
663 -----
664 Back Simulation
665 52.67372505170863 was added to Back Index
666 Back element 52.67372505170863
667 Current Size: 1
668 ****
669 -----
670 2nd Deque
671 -----
672 Front Simulation
673 Nothing Happened
674 Front element 52.67372505170863
675 Current Size: 1
676 -----
677 -----
678 Back Simulation
679 Nothing Happened
680 Back element 52.67372505170863
681 Current Size: 1
682 ****
683 -----
684 2nd Deque
685 -----
686 Front Simulation
687 52.67372505170863 was remove from Front Index
688 Current Size: 0
```

File - Deque Simulated outcome

```
689 Deque is empty
690 -----
691 -----
692 Back Simulation
693 Nothing Happened
694 Current Size: 0
695 Deque is empty
696 ****
*****  
697 -----
698 2nd Deque
699 -----
700 Front Simulation
701 Nothing Happened
702 Current Size: 0
703 Deque is empty
704 -----
705 -----
706 Back Simulation
707 Nothing Happened
708 Current Size: 0
709 Deque is empty
710 ****
*****  
711 -----
712 2nd Deque
713 -----
714 Front Simulation
715 Nothing Happened
716 Current Size: 0
717 Deque is empty
718 -----
719 -----
720 Back Simulation
721 Nothing Happened
722 Current Size: 0
723 Deque is empty
724 ****
*****  
725 -----
726 2nd Deque
727 -----
728 Front Simulation
729 Nothing Happened
730 Current Size: 0
731 Deque is empty
732 -----
733 -----
734 Back Simulation
735 Nothing Happened
736 Current Size: 0
737 Deque is empty
738 ****
*****  
739 -----
740 2nd Deque
741 -----
```

```
742 Front Simulation
743 Nothing Happened
744 Current Size: 0
745 Deque is empty
746 -----
747 -----
748 Back Simulation
749 Nothing Happened
750 Current Size: 0
751 Deque is empty
752 ****
*****
```

```
753 -----
754 2nd Deque
755 -----
756 Front Simulation
757 Nothing Happened
758 Current Size: 0
759 Deque is empty
760 -----
761 -----
762 Back Simulation
763 Nothing Happened
764 Current Size: 0
765 Deque is empty
766 ****
*****
```

```
767 -----
768 2nd Deque
769 -----
770 Front Simulation
771 Nothing Happened
772 Current Size: 0
773 Deque is empty
774 -----
775 -----
776 Back Simulation
777 Nothing Happened
778 Current Size: 0
779 Deque is empty
780 ****
*****
```

```
781 -----
782 2nd Deque
783 -----
784 Front Simulation
785 Nothing Happened
786 Current Size: 0
787 Deque is empty
788 -----
789 -----
790 Back Simulation
791 Nothing Happened
792 Current Size: 0
793 Deque is empty
794 ****
*****
```

```
795 -----
796 2nd Deque
797 -----
798 Front Simulation
799 Nothing Happened
800 Current Size: 0
801 Deque is empty
802 -----
803 -----
804 Back Simulation
805 Nothing Happened
806 Current Size: 0
807 Deque is empty
808 ****
*****
809 -----
810 2nd Deque
811 -----
812 Front Simulation
813 Nothing Happened
814 Current Size: 0
815 Deque is empty
816 -----
817 -----
818 Back Simulation
819 Nothing Happened
820 Current Size: 0
821 Deque is empty
822 ****
*****
823 -----
824 2nd Deque
825 -----
826 Front Simulation
827 Nothing Happened
828 Current Size: 0
829 Deque is empty
830 -----
831 -----
832 Back Simulation
833 Nothing Happened
834 Current Size: 0
835 Deque is empty
836 ****
*****
837 -----
838 2nd Deque
839 -----
840 Front Simulation
841 Nothing Happened
842 Current Size: 0
843 Deque is empty
844 -----
845 -----
846 Back Simulation
847 Nothing Happened
848 Current Size: 0
```

File - Deque Simulated outcome

```
849 Deque is empty
850 ****
*****  
851 -----
852 2nd Deque
853 -----
854 Front Simulation
855 Nothing Happened
856 Current Size: 0
857 Deque is empty
858 -----
859 -----
860 Back Simulation
861 Nothing Happened
862 Current Size: 0
863 Deque is empty
864 ****
*****  
865 -----
866 2nd Deque
867 -----
868 Front Simulation
869 Nothing Happened
870 Current Size: 0
871 Deque is empty
872 -----
873 -----
874 Back Simulation
875 Nothing Happened
876 Current Size: 0
877 Deque is empty
878 ****
*****  
879 -----
880 2nd Deque
881 -----
882 Front Simulation
883 Nothing Happened
884 Current Size: 0
885 Deque is empty
886 -----
887 -----
888 Back Simulation
889 Nothing Happened
890 Current Size: 0
891 Deque is empty
892 ****
*****  
893 -----
894 2nd Deque
895 -----
896 Front Simulation
897 97.60289654083748 was added to Front Index
898 Front element 97.60289654083748
899 Current Size: 1
900 -----
901 -----
```

```
902 Back Simulation
903 Nothing Happened
904 Back element 97.60289654083748
905 Current Size: 1
906 ****
*****  
907 -----
908 2nd Deque
909 -----
910 Front Simulation
911 97.60289654083748 was remove from Front Index
912 Current Size: 0
913 Deque is empty
914 -----
915 -----
916 Back Simulation
917 Nothing Happened
918 Current Size: 0
919 Deque is empty
920 ****
*****  
921 -----
922 2nd Deque
923 -----
924 Front Simulation
925 56.775068030042235 was added to Front Index
926 Front element 56.775068030042235
927 Current Size: 1
928 -----
929 -----
930 Back Simulation
931 Nothing Happened
932 Back element 56.775068030042235
933 Current Size: 1
934 ****
*****  
935 -----
936 2nd Deque
937 -----
938 Front Simulation
939 Nothing Happened
940 Front element 56.775068030042235
941 Current Size: 1
942 -----
943 -----
944 Back Simulation
945 56.775068030042235 was remove from Back Index
946 Current Size: 0
947 Deque is empty
948 ****
*****  
949 -----
950 2nd Deque
951 -----
952 Front Simulation
953 Nothing Happened
954 Current Size: 0
```

File - Deque Simulated outcome

```
955 Deque is empty
956 -----
957 -----
958 Back Simulation
959 Nothing Happened
960 Current Size: 0
961 Deque is empty
962 ****
*****  
963 -----
964 2nd Deque
965 -----
966 Front Simulation
967 Nothing Happened
968 Current Size: 0
969 Deque is empty
970 -----
971 -----
972 Back Simulation
973 Nothing Happened
974 Current Size: 0
975 Deque is empty
976 ****
*****  
977 -----
978 2nd Deque
979 -----
980 Front Simulation
981 Nothing Happened
982 Current Size: 0
983 Deque is empty
984 -----
985 -----
986 Back Simulation
987 Nothing Happened
988 Current Size: 0
989 Deque is empty
990 ****
*****  
991 -----
992 2nd Deque
993 -----
994 Front Simulation
995 Nothing Happened
996 Current Size: 0
997 Deque is empty
998 -----
999 -----
1000 Back Simulation
1001 Nothing Happened
1002 Current Size: 0
1003 Deque is empty
1004 ****
*****  
1005 -----
1006 2nd Deque
1007 -----
```

File - Deque Simulated outcome

```
1008 Front Simulation
1009 Nothing Happened
1010 Current Size: 0
1011 Deque is empty
1012 -----
1013 -----
1014 Back Simulation
1015 Nothing Happened
1016 Current Size: 0
1017 Deque is empty
1018 ****
*****  
1019 -----
1020 2nd Deque
1021 -----
1022 Front Simulation
1023 Nothing Happened
1024 Current Size: 0
1025 Deque is empty
1026 -----
1027 -----
1028 Back Simulation
1029 Nothing Happened
1030 Current Size: 0
1031 Deque is empty
1032 ****
*****  
1033 -----
1034 2nd Deque
1035 -----
1036 Front Simulation
1037 90.45655052517819 was added to Front Index
1038 Front element 90.45655052517819
1039 Current Size: 1
1040 -----
1041 -----
1042 Back Simulation
1043 Nothing Happened
1044 Back element 90.45655052517819
1045 Current Size: 1
1046 ****
*****  
1047 -----
1048 2nd Deque
1049 -----
1050 Front Simulation
1051 90.45655052517819 was remove from Front Index
1052 Current Size: 0
1053 Deque is empty
1054 -----
1055 -----
1056 Back Simulation
1057 Nothing Happened
1058 Current Size: 0
1059 Deque is empty
1060 ****
*****
```

```
1061 -----
1062 2nd Deque
1063 -----
1064 Front Simulation
1065 Nothing Happened
1066 Current Size: 0
1067 Deque is empty
1068 -----
1069 -----
1070 Back Simulation
1071 Nothing Happened
1072 Current Size: 0
1073 Deque is empty
1074 ****
*****
```

```
1075 -----
1076 2nd Deque
1077 -----
1078 Front Simulation
1079 40.50117350407362 was added to Front Index
1080 Front element 40.50117350407362
1081 Current Size: 1
1082 -----
1083 -----
1084 Back Simulation
1085 40.50117350407362 was remove from Back Index
1086 Current Size: 0
1087 Deque is empty
1088 ****
*****
```

```
1089 -----
1090 2nd Deque
1091 -----
1092 Front Simulation
1093 92.93304889577178 was added to Front Index
1094 Front element 92.93304889577178
1095 Current Size: 1
1096 -----
1097 -----
1098 Back Simulation
1099 Nothing Happened
1100 Back element 92.93304889577178
1101 Current Size: 1
1102 ****
*****
```

```
1103 -----
1104 2nd Deque
1105 -----
1106 Front Simulation
1107 92.93304889577178 was remove from Front Index
1108 Current Size: 0
1109 Deque is empty
1110 -----
1111 -----
1112 Back Simulation
1113 Nothing Happened
1114 Current Size: 0
```

File - Deque Simulated outcome

```
1115 Deque is empty
1116 ****
*****  
1117 -----
1118 2nd Deque
1119 -----
1120 Front Simulation
1121 Nothing Happened
1122 Current Size: 0
1123 Deque is empty
1124 -----
1125 -----
1126 Back Simulation
1127 Nothing Happened
1128 Current Size: 0
1129 Deque is empty
1130 ****
*****  
1131 -----
1132 2nd Deque
1133 -----
1134 Front Simulation
1135 Nothing Happened
1136 Current Size: 0
1137 Deque is empty
1138 -----
1139 -----
1140 Back Simulation
1141 39.53143492651296 was added to Back Index
1142 Back element 39.53143492651296
1143 Current Size: 1
1144 ****
*****  
1145 -----
1146 2nd Deque
1147 -----
1148 Front Simulation
1149 39.53143492651296 was remove from Front Index
1150 Current Size: 0
1151 Deque is empty
1152 -----
1153 -----
1154 Back Simulation
1155 48.11261312537782 was added to Back Index
1156 Back element 48.11261312537782
1157 Current Size: 1
1158 ****
*****  
1159 -----
1160 2nd Deque
1161 -----
1162 Front Simulation
1163 Nothing Happened
1164 Front element 48.11261312537782
1165 Current Size: 1
1166 -----
1167 -----
```

```
1168 Back Simulation
1169 Nothing Happened
1170 Back element 48.11261312537782
1171 Current Size: 1
1172 ****
1173 -----
1174 2nd Deque
1175 -----
1176 Front Simulation
1177 Nothing Happened
1178 Front element 48.11261312537782
1179 Current Size: 1
1180 -----
1181 -----
1182 Back Simulation
1183 Nothing Happened
1184 Back element 48.11261312537782
1185 Current Size: 1
1186 ****
1187 -----
1188 2nd Deque
1189 -----
1190 Front Simulation
1191 48.11261312537782 was remove from Front Index
1192 Current Size: 0
1193 Deque is empty
1194 -----
1195 -----
1196 Back Simulation
1197 Nothing Happened
1198 Current Size: 0
1199 Deque is empty
1200 ****
1201 -----
1202 2nd Deque
1203 -----
1204 Front Simulation
1205 Nothing Happened
1206 Current Size: 0
1207 Deque is empty
1208 -----
1209 -----
1210 Back Simulation
1211 Nothing Happened
1212 Current Size: 0
1213 Deque is empty
1214 ****
1215 -----
1216 2nd Deque
1217 -----
1218 Front Simulation
1219 Nothing Happened
1220 Current Size: 0
```

File - Deque Simulated outcome

```
1221 Deque is empty
1222 -----
1223 -----
1224 Back Simulation
1225 Nothing Happened
1226 Current Size: 0
1227 Deque is empty
1228 ****
*****  
1229 -----
1230 2nd Deque
1231 -----
1232 Front Simulation
1233 Nothing Happened
1234 Current Size: 0
1235 Deque is empty
1236 -----
1237 -----
1238 Back Simulation
1239 56.00831014356669 was added to Back Index
1240 Back element 56.00831014356669
1241 Current Size: 1
1242 ****
*****  
1243 -----
1244 2nd Deque
1245 -----
1246 Front Simulation
1247 Nothing Happened
1248 Front element 56.00831014356669
1249 Current Size: 1
1250 -----
1251 -----
1252 Back Simulation
1253 Nothing Happened
1254 Back element 56.00831014356669
1255 Current Size: 1
1256 ****
*****  
1257 -----
1258 2nd Deque
1259 -----
1260 Front Simulation
1261 56.00831014356669 was remove from Front Index
1262 Current Size: 0
1263 Deque is empty
1264 -----
1265 -----
1266 Back Simulation
1267 Nothing Happened
1268 Current Size: 0
1269 Deque is empty
1270 ****
*****  
1271 -----
1272 2nd Deque
1273 -----
```

```
1274 Front Simulation
1275 36.15857099508554 was added to Front Index
1276 Front element 36.15857099508554
1277 Current Size: 1
1278 -----
1279 -----
1280 Back Simulation
1281 Nothing Happened
1282 Back element 36.15857099508554
1283 Current Size: 1
1284 ****
*****  
1285 -----
1286 2nd Deque
1287 -----
1288 Front Simulation
1289 Nothing Happened
1290 Front element 36.15857099508554
1291 Current Size: 1
1292 -----
1293 -----
1294 Back Simulation
1295 Nothing Happened
1296 Back element 36.15857099508554
1297 Current Size: 1
1298 ****
*****  
1299 -----
1300 2nd Deque
1301 -----
1302 Front Simulation
1303 11.021430320523677 was added to Front Index
1304 Front element 11.021430320523677
1305 Current Size: 2
1306 -----
1307 -----
1308 Back Simulation
1309 Nothing Happened
1310 Back element 36.15857099508554
1311 Current Size: 2
1312 ****
*****  
1313 -----
1314 2nd Deque
1315 -----
1316 Front Simulation
1317 Nothing Happened
1318 Front element 11.021430320523677
1319 Current Size: 2
1320 -----
1321 -----
1322 Back Simulation
1323 66.62205997088395 was added to Back Index
1324 Back element 66.62205997088395
1325 Current Size: 3
1326 ****
*****
```

```
1327 -----
1328 2nd Deque
1329 -----
1330 Front Simulation
1331 11.021430320523677 was remove from Front Index
1332 Front element 36.15857099508554
1333 Current Size: 2
1334 -----
1335 -----
1336 Back Simulation
1337 Nothing Happened
1338 Back element 66.62205997088395
1339 Current Size: 2
1340 ****
*****
1341 -----
1342 2nd Deque
1343 -----
1344 Front Simulation
1345 Nothing Happened
1346 Front element 36.15857099508554
1347 Current Size: 2
1348 -----
1349 -----
1350 Back Simulation
1351 Nothing Happened
1352 Back element 66.62205997088395
1353 Current Size: 2
1354 ****
*****
1355
1356 Process finished with exit code 0
1357
```