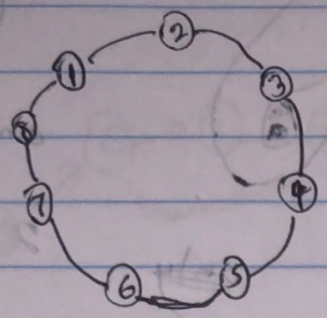
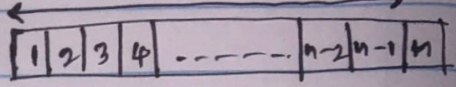
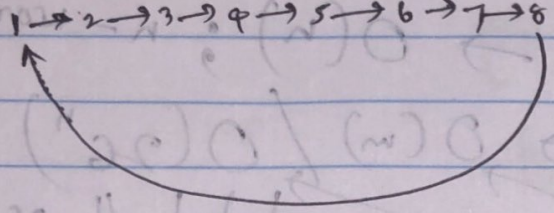
* House Robber II



If we starts from 1, the last element we can take is (n-1). One path we are having is



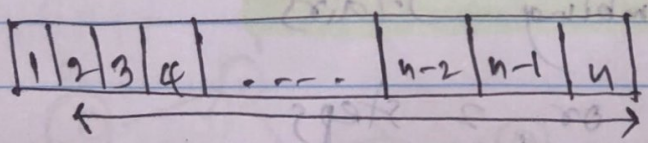
adjacent selections not allowed.



then we can take ~~either~~ max of n-1, n-2.

If we take n-1, then next would be 1. If we take n-2, then we can take either n or 1; but are are greedily taking 1.

Other method is to take 2 to n.



max of n-1, n is taken.

if we take n as max, then obviously no halm to 2. If we take (n-1) as max, then we can take 1 or 2 as next. we take 2 as next element greedily.

if we store in 2 variables ← O(1) / O(n) ← if we store in an array O(n)

No : _____ Date: __/__/_____

Finally we take the maximum value of both paths as the absolute maximum.