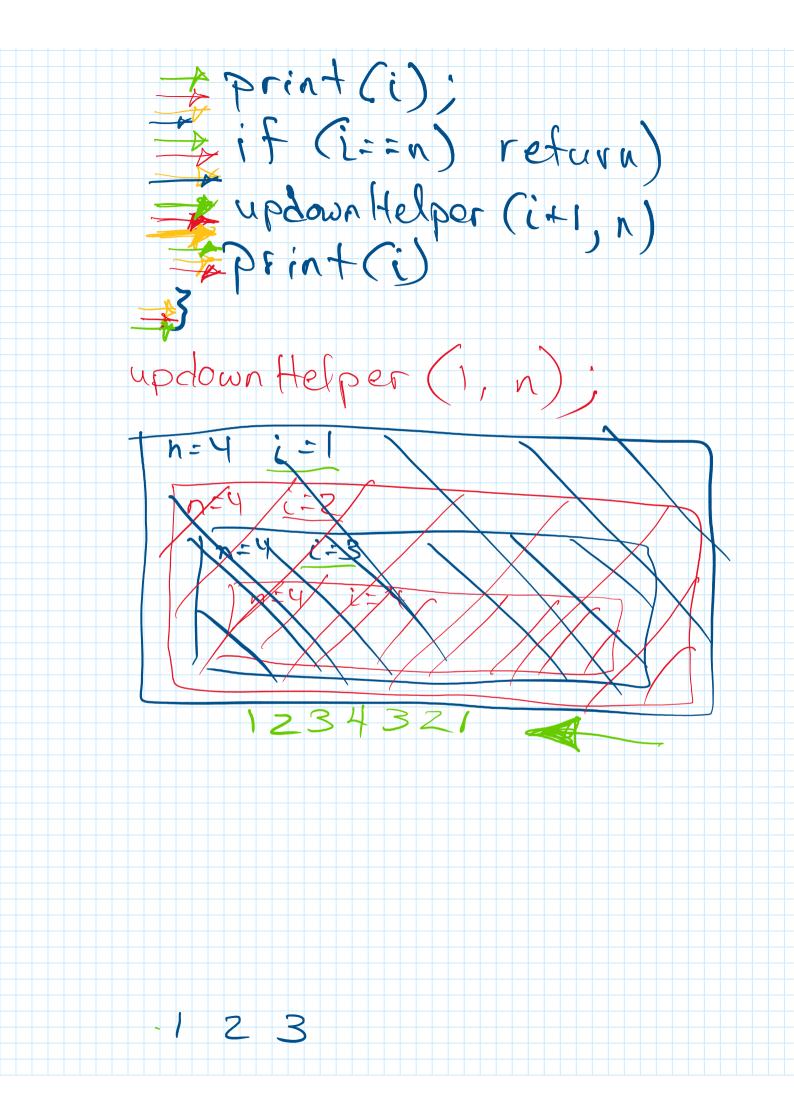
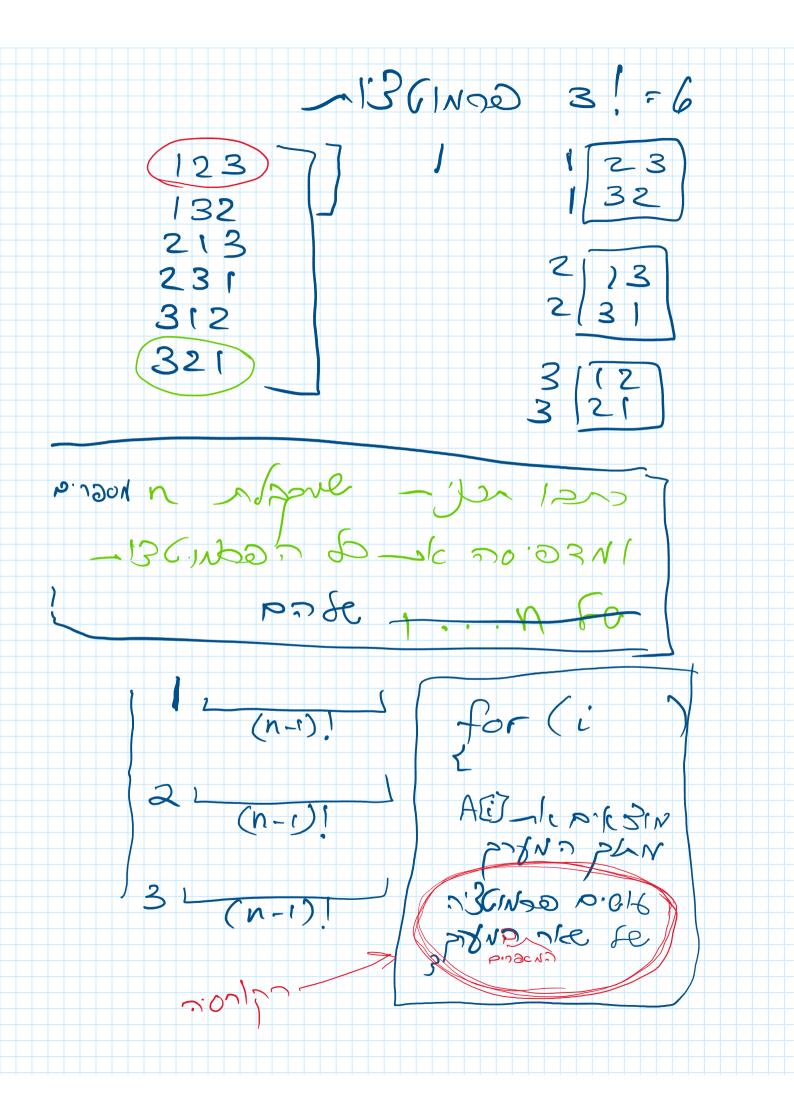
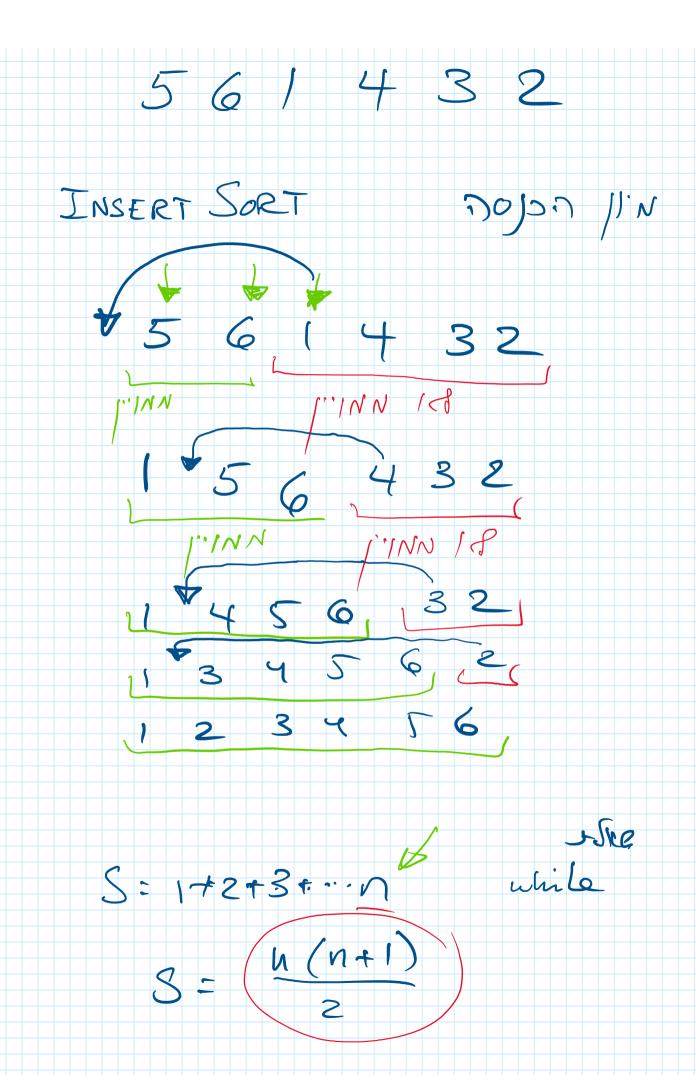


if (n > 1) 1 Print (); Down Up (n-1); Print (n); 543213345 if (n==1) Print n; else if (n > 1) Print (n);
Porint (n); 12345432 updown (int n) Aupdown (n, n)

Aupdown (int n, int Max) if (n == 1) prin+(max); if (n>1) print (Max-n+1) Aupdown (n-1, Max) print (Max-n+1) Mous=4 up down Helper (inti, int ")







× while per S=0+(+2+3...n-1 ... +n-1 = (n-1)((n-1)+1) n(n-1) $\exists c, n_0 \quad \forall n > n_0 \quad f(n) \geq c \cdot g(n)$ f(n) = S2(g(n)) $\exists c, n_0 \quad \forall n > n_0 \quad f(n) \leq c \cdot h(n)$ $\Rightarrow f(n) = o(h(n))$

$$h(a) = n - t$$
 $4h(n) = 4n - 4t$
 $f(n) = 0(h(n))$
 $f(n) = 3n + 5$
 $f(n) = 0(n)$
 $f(n) \le c \cdot n$
 $c = 2$
 no
 $c = 2$
 no
 $n > no$
 $n >$

?
$$f(n) = O(n)$$
 pt n

3 $n^2 - 5n + 300 < 100n$
 $3n^2 - 5n + 300 < 0$

P' part $\frac{1}{2}$ pr $\frac{1}{2}$ pr

