27-10 -> Clavilmi ] (ARRY) HEAP (HISAPIFY)

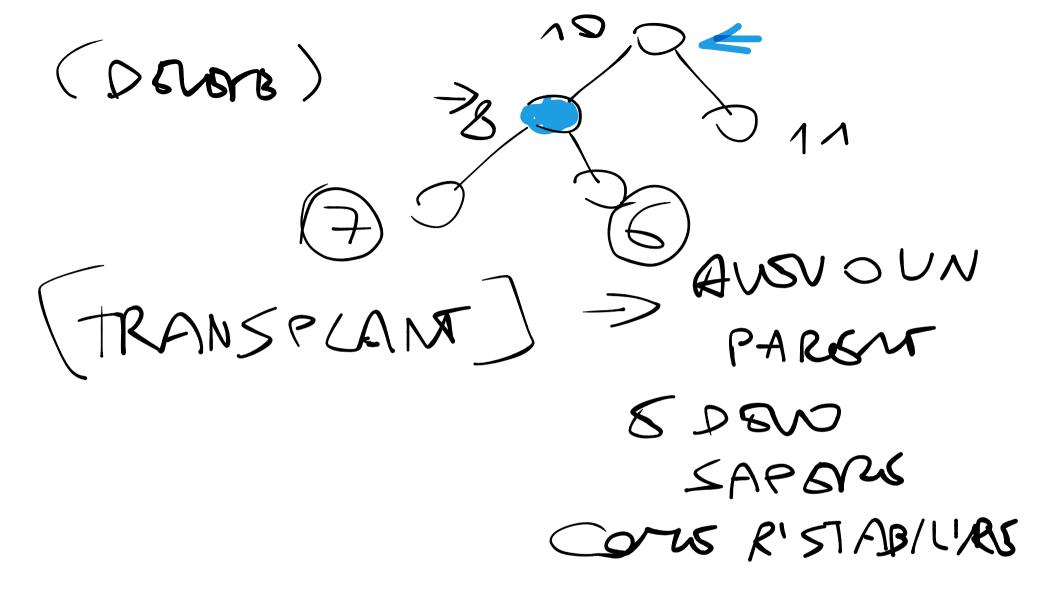
X. K5> X- USFT X. RIGHT ) ARRICHIMISM (AMPI IN PIÙ) > (> (> ) x . SUCe/ x . S/26 INFX (LTR)

$$\Rightarrow (NSSRT)$$

$$\Rightarrow SSARCH$$

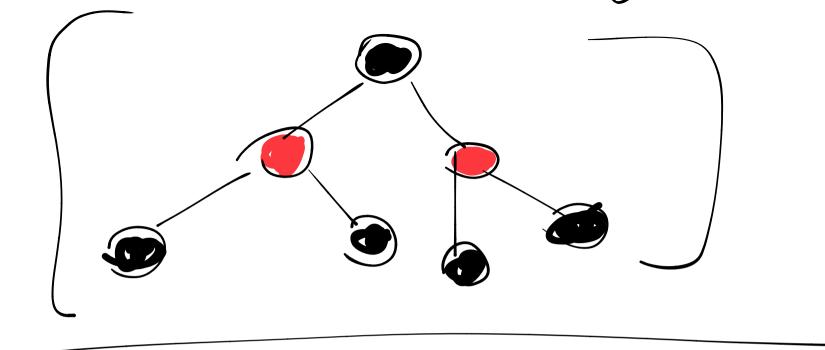
$$\Rightarrow DSUSTS$$

$$\frac{1}{\sqrt{O(k)}} \left( \frac{1}{\sqrt{E}} = \frac{2}{\sqrt{E}} \times \frac{1}{\sqrt{E}} \times$$



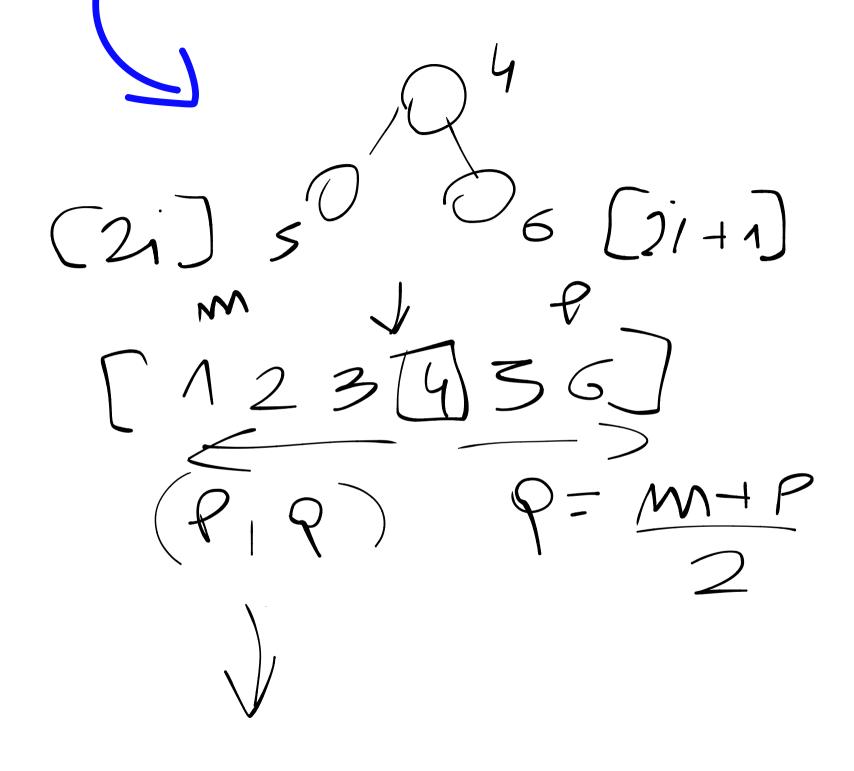
RB-TROSS

(B) (Cus)



prox) 4= x x=>+ 10 WHUS (y) 1F(X.KBY < y.KBY) y-y. Lort 1F(X.K&Y), (K&Y) y = y. R16HT IF (&. KBY = 2 y. Kb) nower y. P

ST\ -> 7.14 A[1...M][1,7,3]4,5] B. G. [123456]



\_BST(A) BST-RBC(A,1,M) BST-RGC(A,P,P) IF (P) 9) X=NIL [2345 M = (P + Q)/2× = MKNOOG (A[M]) X. L = BST-RSC (A, P, M-1)

$$R = RST-RC(A, m+1, q)$$

$$ROTURN \times$$

$$T(M) = O(M)$$

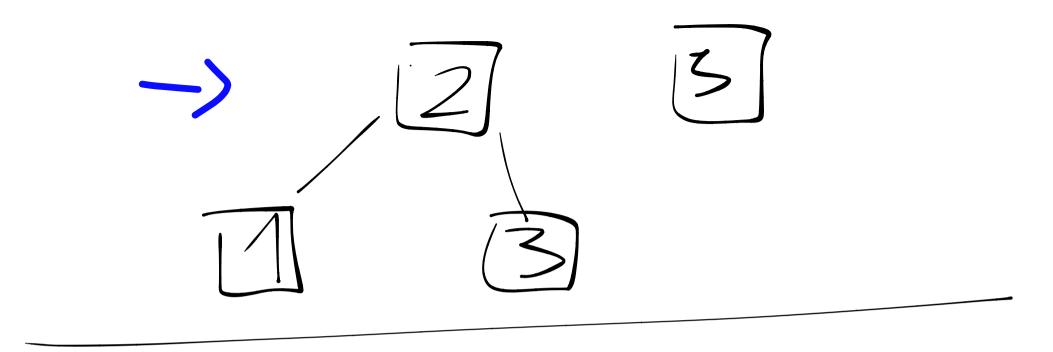
$$= 2T(\frac{M}{2}) + C$$

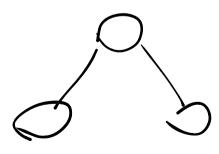
$$2i$$

$$2i$$

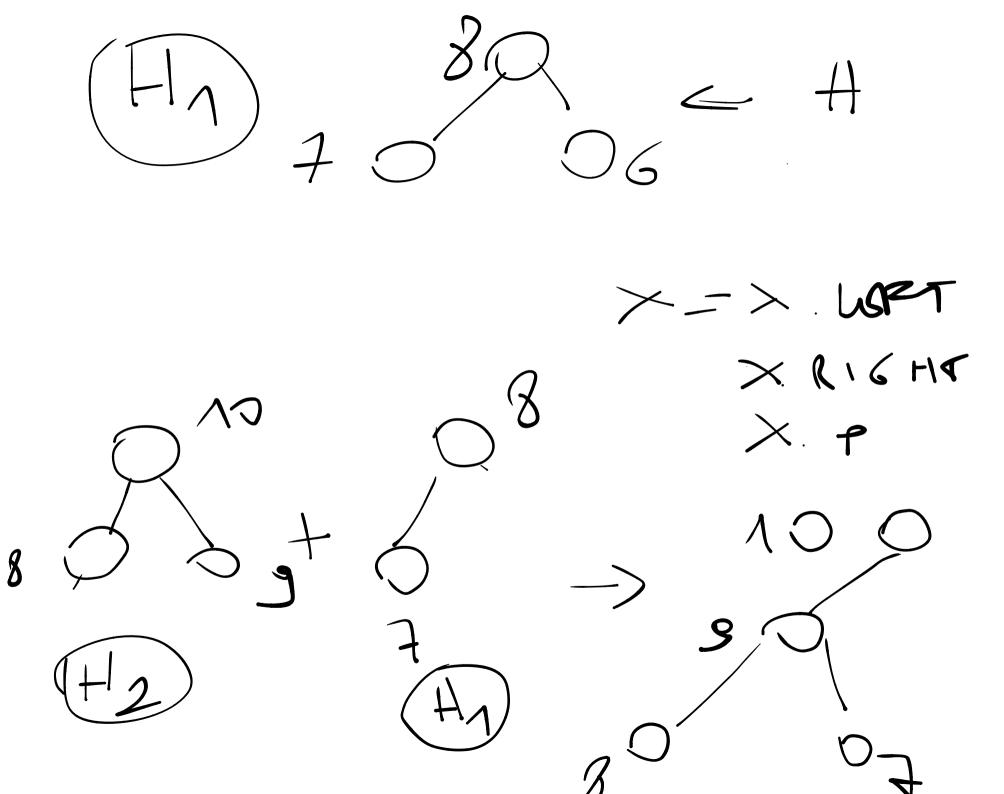
$$2i+n$$

MANSPLANT





$$A \left[ 1 \right] \ge A \left[ 1/2 \right]$$



FUSION (A, H2) -> // SNSSSA ALANS Z 7A Ha, H2 > (X1 y) (Co116) X 70 8 WHILD (H2. RIGHT = NIL) 8 IF (H2. (Met!=NIL) H1 # = MKNODIS (1-12. LOPT) 5650

