

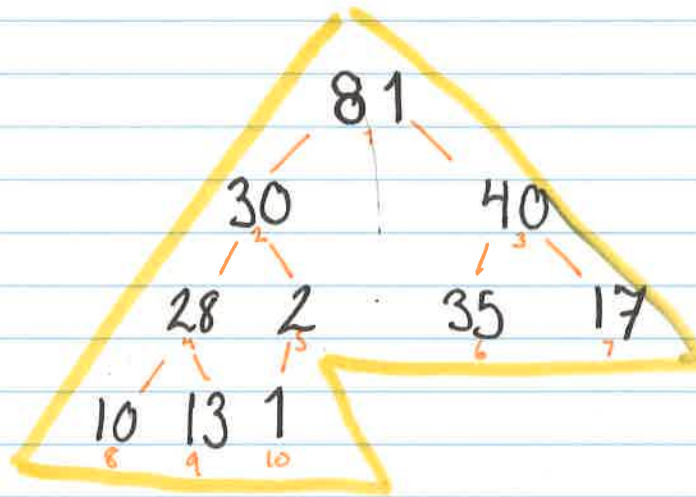
heaps

- BINARY TREE WITH TWO EXTRA PROPERTIES

1) FULL; FILLS LEFT TO RIGHT

2) CHILDREN NOT LARGER THAN PARENT

- SUBTREES OF HEAPS ARE HEAPS



NOTE:
SEXY
SHAPE
△

NOTE:
ARRAY
STARTED
AT 1
NOT 0

1	2	3	4	5	6	7	8	9	10	11	12
81	30	40	28	2	35	17	10	13	1		

$$\text{LEFT}(i) = 2i$$

$$\text{RIGHT}(i) = 2i + 1$$

$$\text{PARENT}(i) = \lfloor i/2 \rfloor$$