

GRAPH Concepts

video
39

&

Questions...

@codestorywithmik

(Instagram, Facebook)

cswithMIK → Twitter



HIMU
(Motivation)

“ (.) Do what you can,
with what you have,
where you are. ”

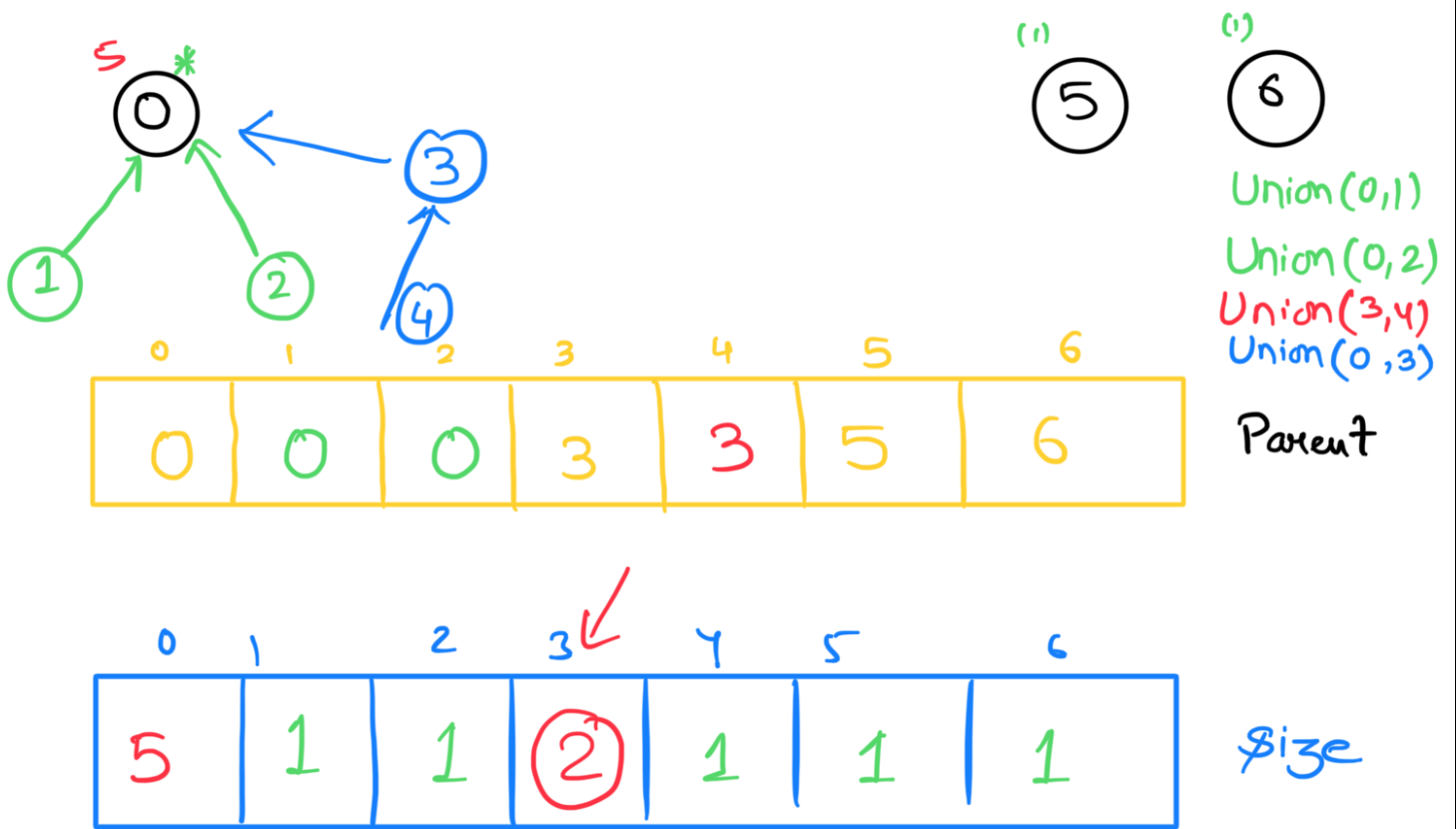
“ (.) Streak is just a factor to
motivate & push you to be
consistent. ”

If streak breaks, don't worry
continue from there. ”

DSU By Size

Must watch my

← { L → DSU - video (18) ✓
L → DSU by Rank & Path compression
L → video - (19) ✓



Story to Code :-

```

find (int x) {
    if (x == parent[x]) {
        return x;
    }
}

```

return parent[x] = find (parent[x]);

}

0	1	2	3	4
0	1	2	3	4
1	1	1	1	1

P

Size

void Union (int x, int y) {

int x-parent = find(x);

int y-parent = find(y);

if (x-parent == y-parent)
return;

if (size[x-parent] > size[y-parent])
{

parent[y-parent] = x-parent;

size[x-parent] += size[y-parent];

} else if (size[x-parent] < size[y-parent])

{
}
else {

parent[x-parent] = y-parent;

size[y-parent] += size[x-parent];

parent[x-parent] = y-parent;

size[y-parent] += size[x-parent];

}

}