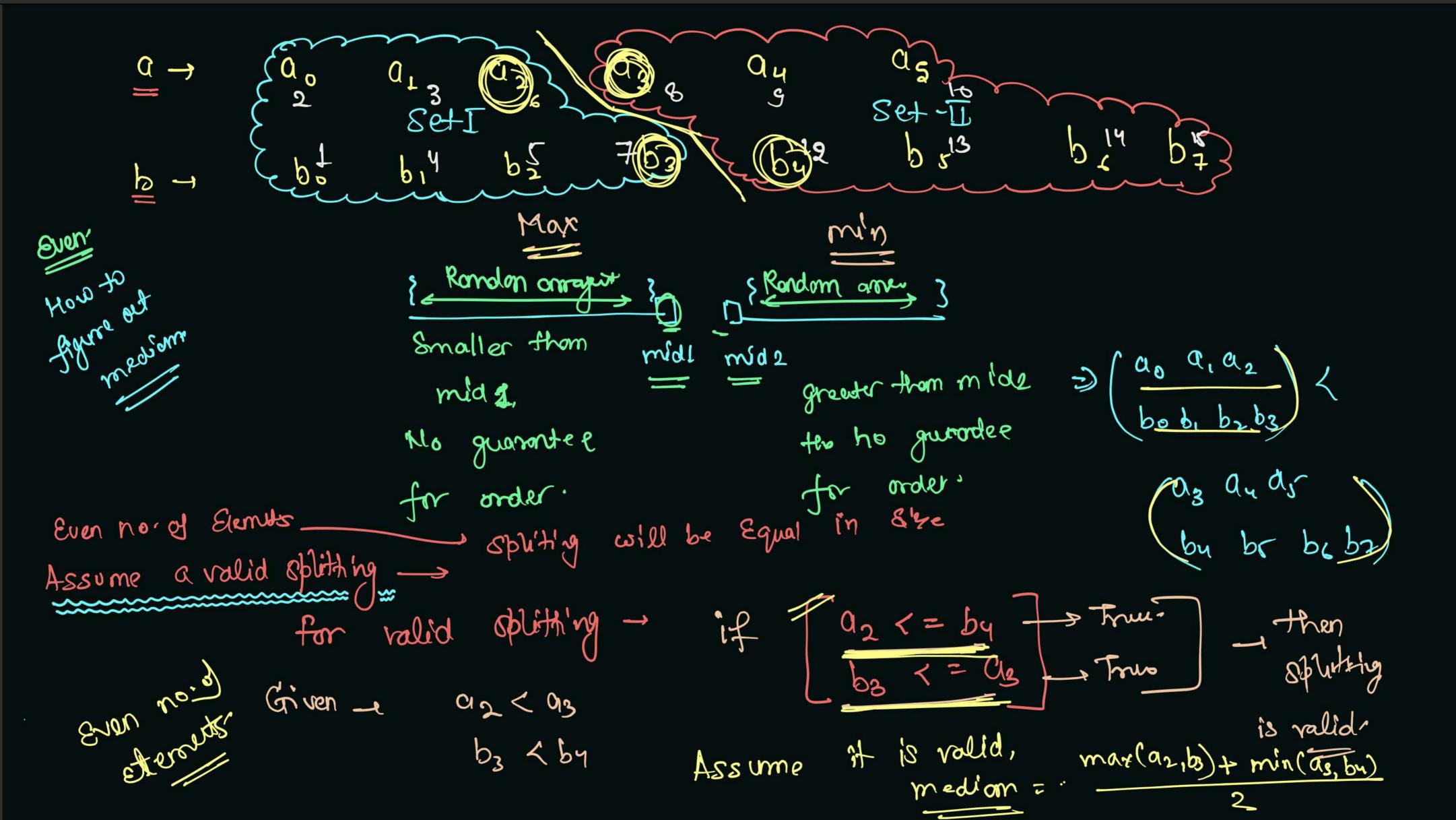


count + 47 7

Median of two	•	Brute force	e -	Merge	too	Sof	l ed	arrowy	and 5	find 1	gedion.
Sunday, 14 November 2021	1:05 PM	0 (m +n)						7		_	
			aml +	7	2	7	g	10	mic	st midz	
Allo wed -	O(log(min(m,r		an 2+	3	4	6	9	11	12 miedi	om 2	$\frac{midL+mid2}{2}$
								_	•	n'd	
		Merge	1 2	3 4	ا (17	8	9	1 - 11 L2 m	re di'om	= mid
						7					
	medi6m=										
	Steps for										
	Merge	too 8	orted	amo	y	力员	m	80	Ted on	oy -	
	T'nd	m	id	if	odd	r	pr el	untare	here	and	4
	Even	the	dina	J.	muld i	4 n	riol2	fo	r medic	m.	



a -> ao a, a2 a3 a4

b-> bo b1 b2 b3 b4 b5 b6 b7

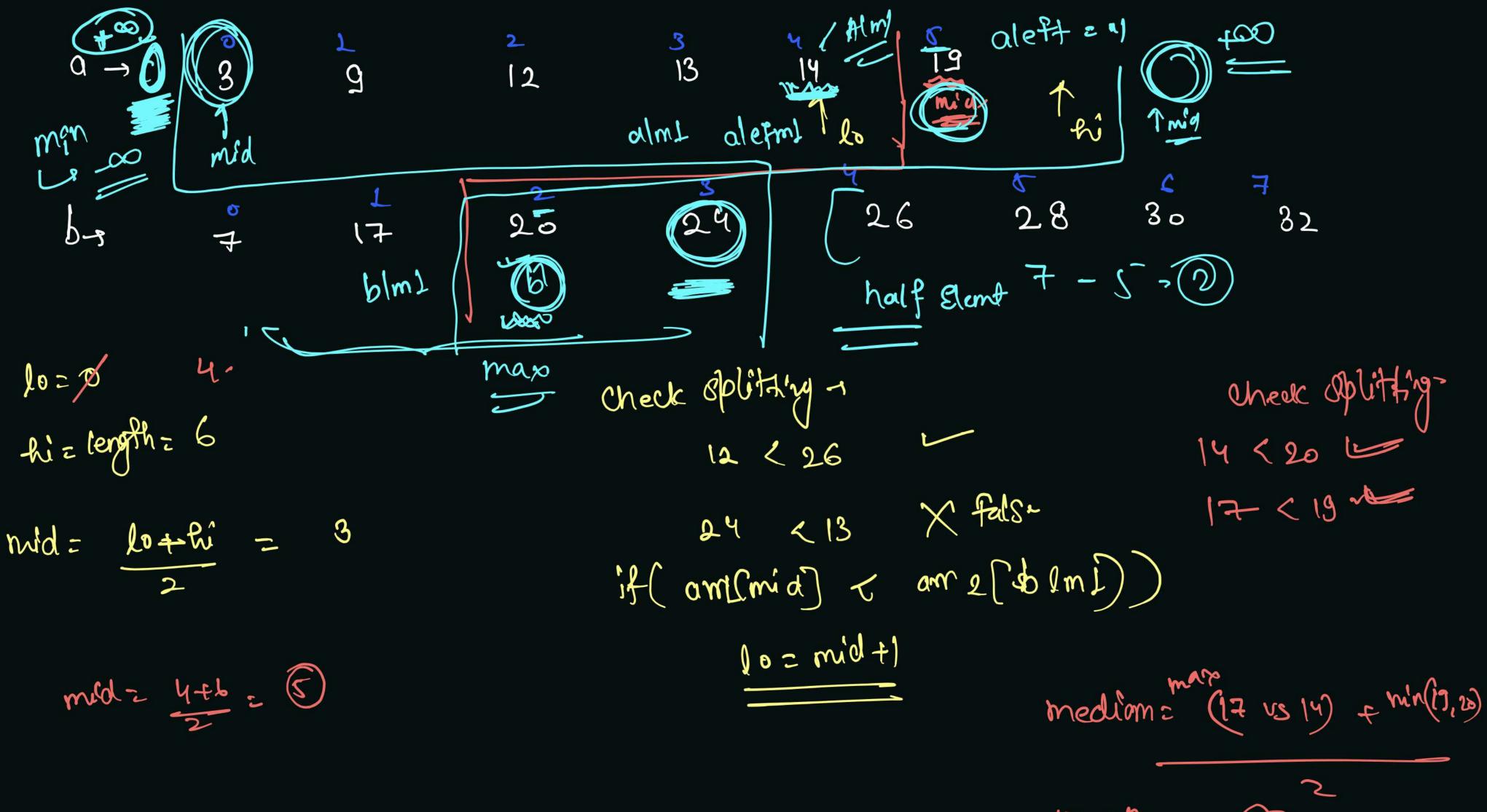
Elevents S

Suppose we have oplithy so, it is valid if

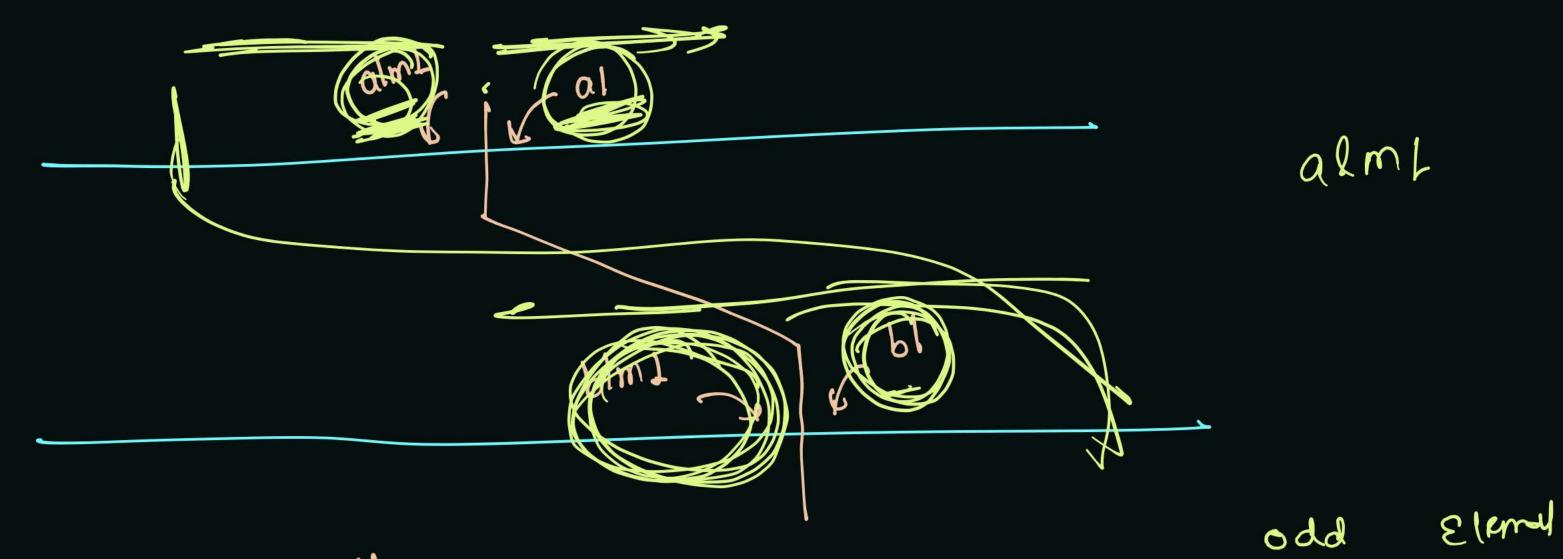
if (a2 <= by ll b3 <= ag) — condition of Splithing is valid.

median = max (a2, b3)

median = 18 a > Total Element 2(4) 2 20 24 26 Max (14,17) + Min (19,20) median: mid= 17 19 26 28 20 14 13 12 9 medlom:



= 17+9 = 18 =



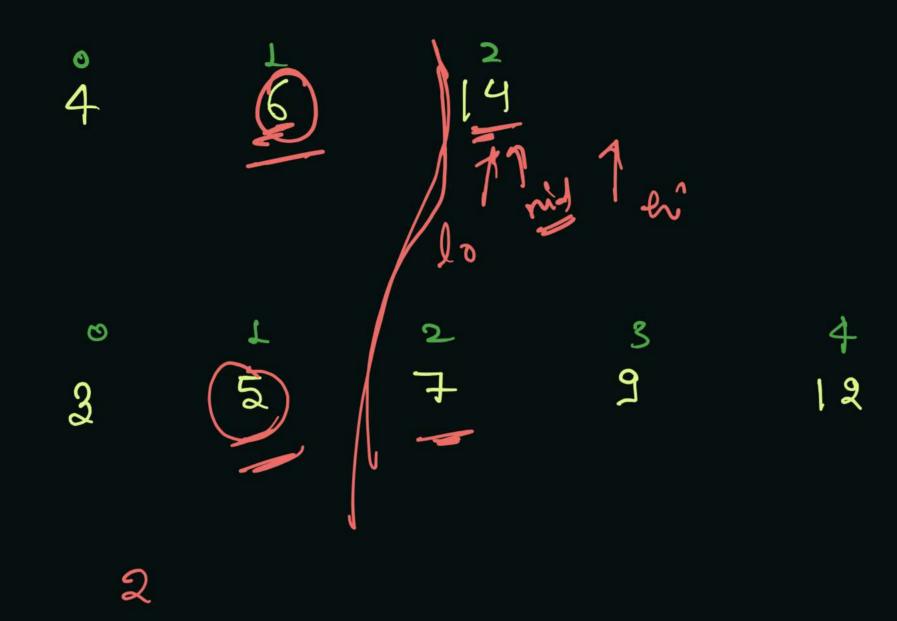
check for validity.

if(alm1 <= 61 d(blom1 <= al) {

ralid oflittig-

onedian = mar (alm) + min (al, bl)

almL



mid = 2

1029 en = 3