AI LAB Test-1 Naman Agarwa 1Bm18c2057 # The sample set. casel cace 2 add 0 to 41 caus add o 2+3 initially present. to 32 case 4 transler 0 the water alwardy fuester!. from 3L to and no outlow Case 5 fugulou from UL to (2-y) lettour. 3L cerse 6 paula from 31 to 41 with oullow.

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fill (cup), cup2, Aum []) if cup1 == 2: return true. def if & cub1 1 = 43: 3 iEf & cop temp = cop1 if & fill (cup1, cup2, Annel): if cop = 1 = 3: temp = cup 2 Cub2 = 3 if fill (cop), cop2, AurC]) Am-append ("fill cop2") cup 2 = temp. if cup 1 ! = 4 cup2 temp= cos1 cupi = cupi + \$ cup2 if cup1 > 4: CUPZ = & CUBI-4 cust = 4 if fill (cup), cup2, Aures) Am appent (" from 2 to 1" cup2 - temp2 cupl = temp.

if cup 2!=3:

$$temp = cog 2$$

 $temp = cog 1$

$$cu\beta^{2} - 3$$
 $cu\beta^{1} = cu\beta^{1} - (3 - cu\beta^{2})$

Agaeval.