1 = 3 = 7 {1,2,...6} 1 6 3 2 5 4 21 Consec Sum 10=163 11 = 6 3 2 10= 3 2 5 intution, sequenses (valid) are very limited Frither Pattern Problem or Construction sattern, generate all valid sea then observe hum; may be hard to observe let's go constructive algo Direct observation all sums must be X or X+1 observation: if P is valid seq, and Shifting is Valid too So fix first number (any)
'boundry thinking' = use 1 ot 21 let's fix first number to 1 Helion

(1,2) = +1 (4,3) = -1(5/6) = +1 (2,1) = -1 (3,4) = +1(6,6)=-1 also valid: 6 3 254 what about even 17? for n= 2 (1,2)=+) (4,3) = -1 ] wrong (3,4) = +1for 1=4 4 5 8 2 3 6 7 (8,7)=-1 (2,1) = - { even will never create +1 -1 +1 -1 +1 -1 Pattern

Hillian