

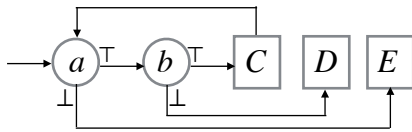
X5.2 Here is a refinement of specification S .

$S \Leftarrow \text{if } a \text{ then if } b \text{ then } S \text{ else } C \text{ fi else } D \text{ fi}$

Express it as a **while**-loop without the recursive call.

After trying the question, scroll down to the solution.

§ If it helps, here is a flowchart.



We have to duplicate something. I'll duplicate a .

while $a \wedge b$ do C od. if a then D else E fi