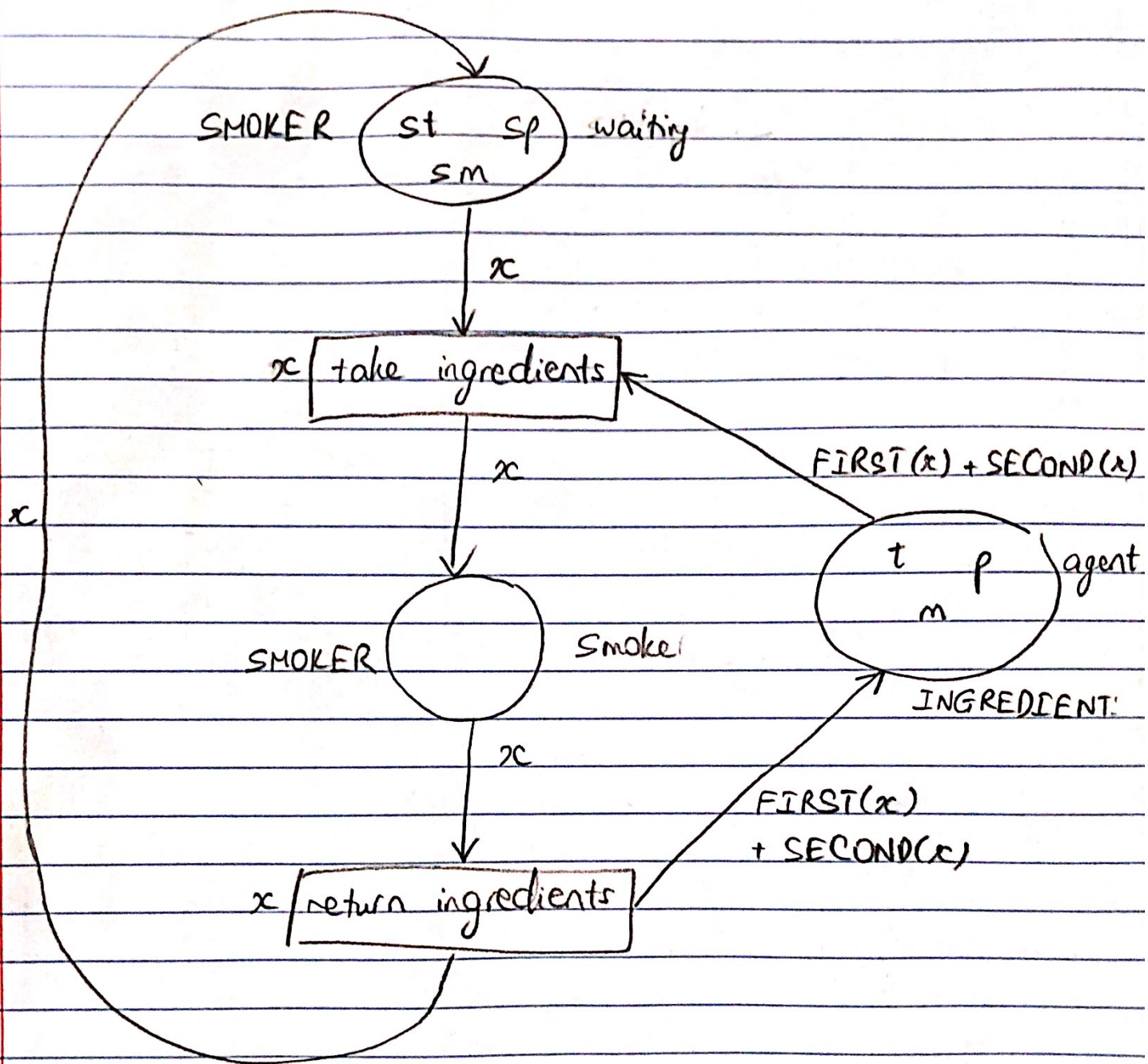


#9

b)



colour SMOKER = with $st / sp / sm$

colour INGREDIENT = with $t / p / m$

FIRST : SMOKER \rightarrow INGREDIENT

SECOND : SMOKER \rightarrow INGREDIENT

var x : SMOKER

fun FIRST x = case of $st \rightarrow p / sp \rightarrow m / sm \rightarrow t$

fun SECOND x = case of $st \rightarrow m / sp \rightarrow t / sm \rightarrow p$

st, sp, sm represent smoker with tobacco, paper, match,
 t, p, m represent tobacco, paper, match respectively respectively