input *s*i ∈ M

for i ∀ M :

if ( *s*i == 1 ) :

***o*** = Si ∪ ***o***

if ( y == 1 ) :

***o*** = **p** ∪ ***o***

while ( len(***o***) > 0 ) :

for i in range( 0 , len(***o***) ) :

Probi = classifier(***o***,mi,ti,di)

ri = max(Probi)

if ( ri = 1 ):

//suggested

Remove ri from ***o***

x = x ∪ ri

else:

//not suggested

continue