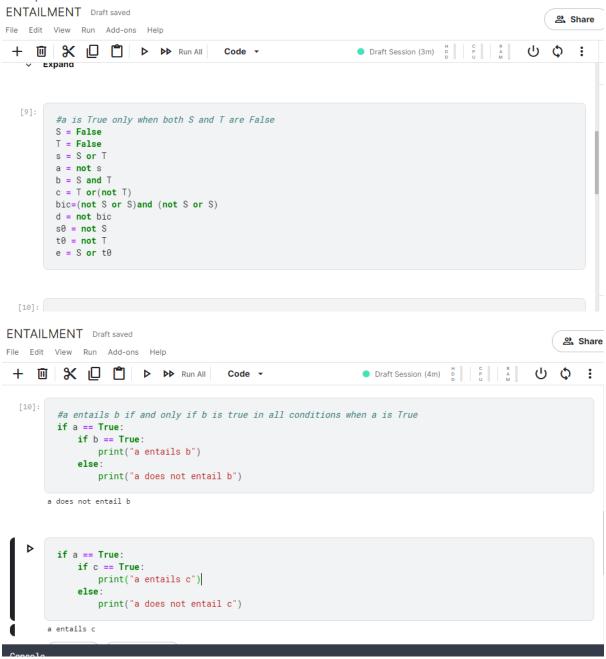
Program:

```
#a is True only when both S and T are False
S = False
T = False
s = S or T
a = not s
b = S and T
c = T or(not T)
bic=(not S or S)and (not S or S)
d = not bic
s0 = not S
t0 = not T
e = S \text{ or } t0
#a entails b if and only if b is true in all conditions when a is True
if a == True:
  if b == True:
    print("a entails b")
  else:
    print("a does not entail b")
if a == True:
  if c == True:
    print("a entails c")
  else:
    print("a does not entail c")
if a == True:
  if d == True:
    print("a entails d")
  else:
    print("a does not entail d")
if a == True:
  if e == True:
    print("a entails e")
  else:
    print("a does not entail e")
```

Output:



```
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                                    + 1 Code →
     + Code + Markdown
 if a == True:
        if d == True:
           print("a entails d")
         else:
           print("a does not entail d")
     a does not entail {\sf d}
 [13]:
      if a == True:
        if e == True:
          print("a entails e")
           print("a does not entail e")
     a entails e
```