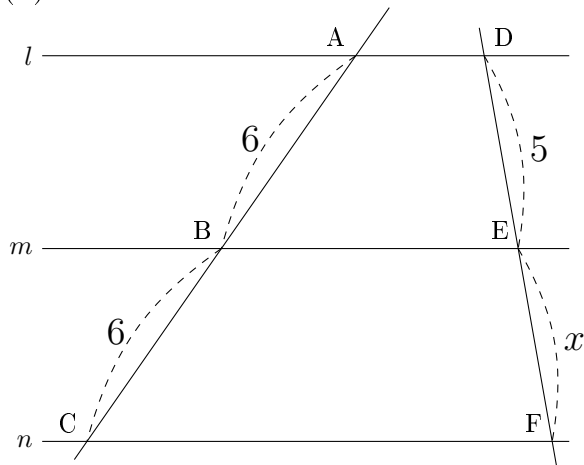


相似な図形 [平行線と線分の比]

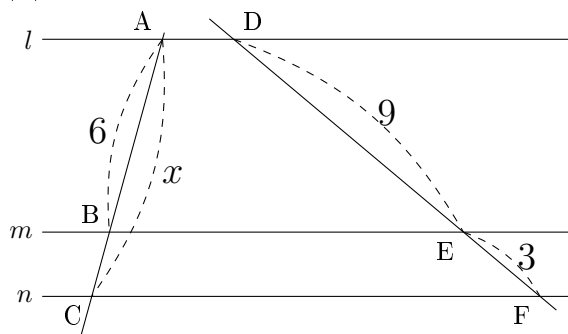
<演習問題>

次の図について、 $l//m//n$ のとき、 x の値を求めよ。

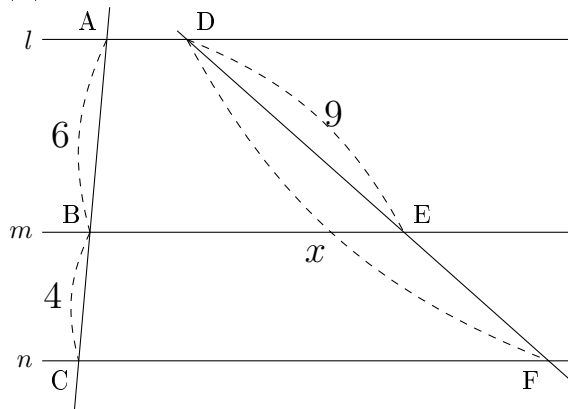
(1)



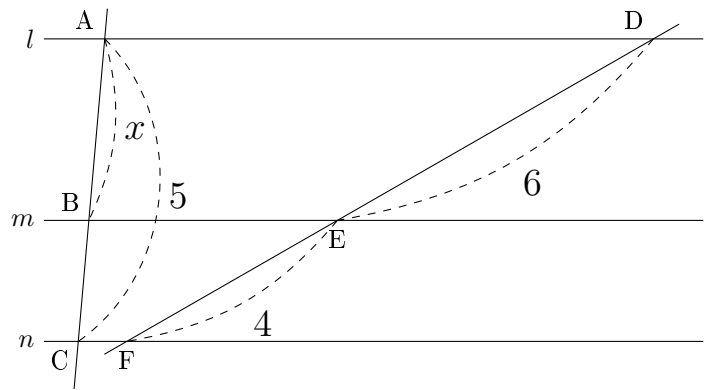
(2)



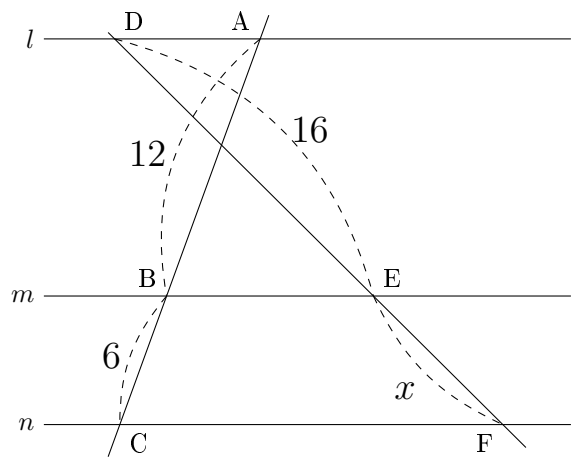
(3)



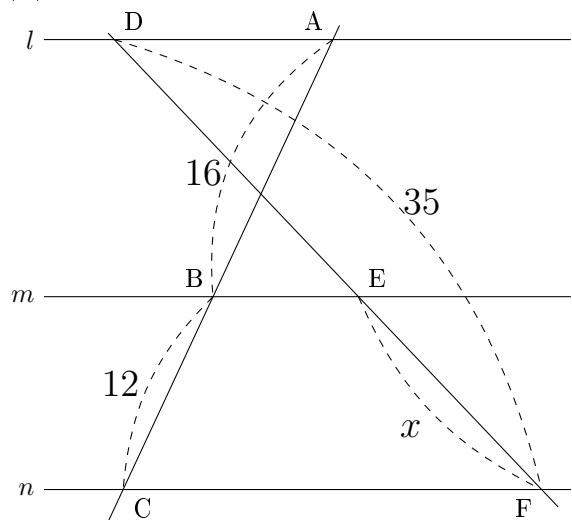
(4)



(5)



(6)

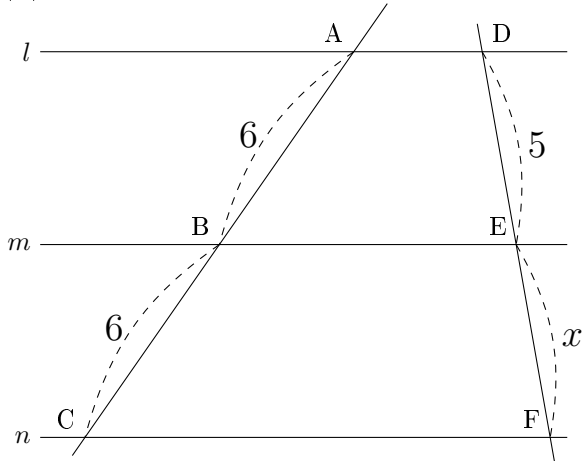


相似な図形 [平行線と線分の比]

<演習問題>

次の図について、 $l//m//n$ のとき、 x の値を求めよ。

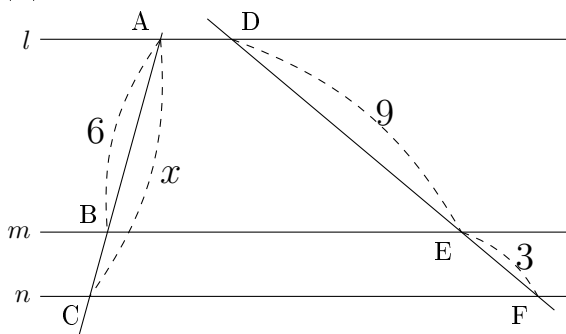
(1)



AB:BC=DE:EF より、
 $6:6 = 5:x$

$x = 5$

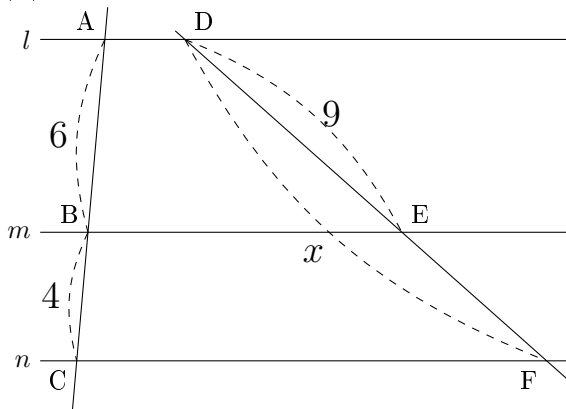
(2)



AB:BC=DE:EF より、
 $6:(x-6) = 9:3$

$x = 8$

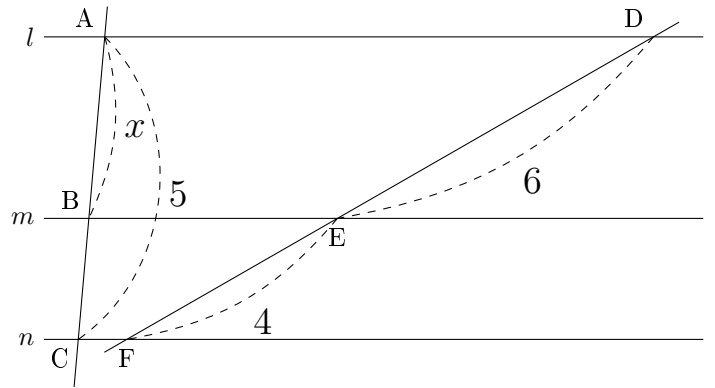
(3)



AB:BC=DE:EF より、
 $6:4 = 9:(x-9)$

$x = 15$

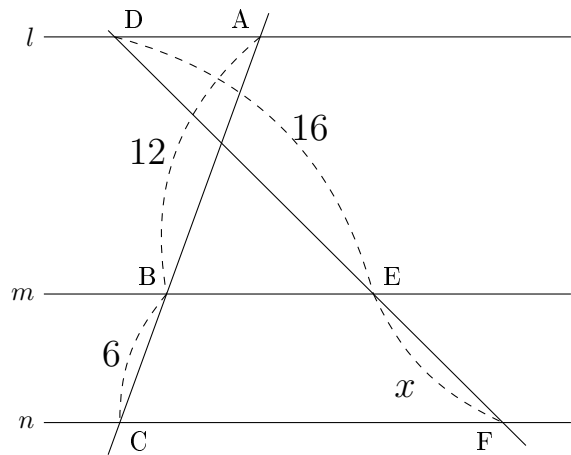
(4)



AB:BC=DE:EF より、
 $x:(5-x) = 6:4$

$x = 3$

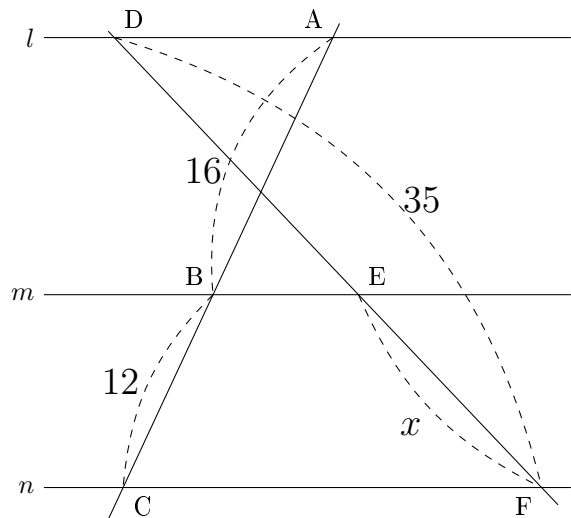
(5)



AB:BC=DE:EF より、
 $12:6 = 16:x$

$x = 8$

(6)



AB:BC=DE:EF より、
 $16:12 = (35-x):x$

$x = 15$