## Task 2

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 $G_1$  intersects with  $S_1$  and  $S_4$ :

$$\operatorname{Area}(S_1)=3$$
,  $\operatorname{Area}(S_4)=5$ 

$$\operatorname{Area}(G_1)=4$$

$$ext{UE}(G_1) = rac{[ ext{Area}(S_1) + ext{Area}(S_4))] - ext{Area}(G_1)}{ ext{Area}(G_1)} = rac{(3+5)-4}{4} = rac{4}{4} = 1$$

 $G_2$  matches  $S_3$  perfectly:

$$\mathrm{Area}(S_3)=2$$

$$\mathrm{Area}(G_2)=2$$

$$ext{UE}(G_2) = rac{[ ext{Area}(S_3)] - ext{Area}(G_2)}{ ext{Area}(G_2)} = rac{(2)-2}{2} = rac{0}{2} = 0$$