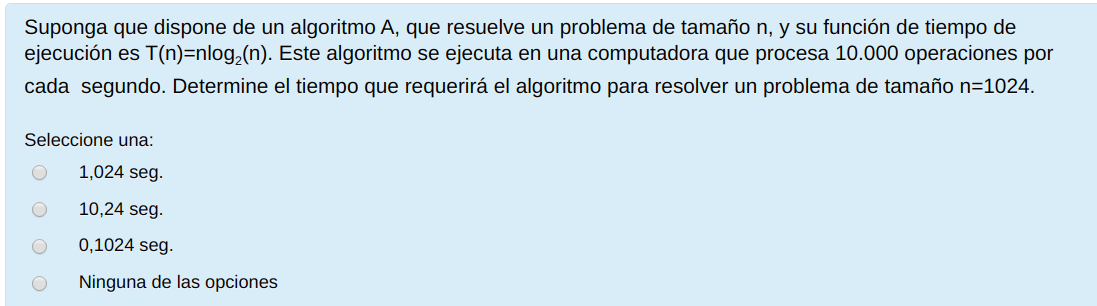
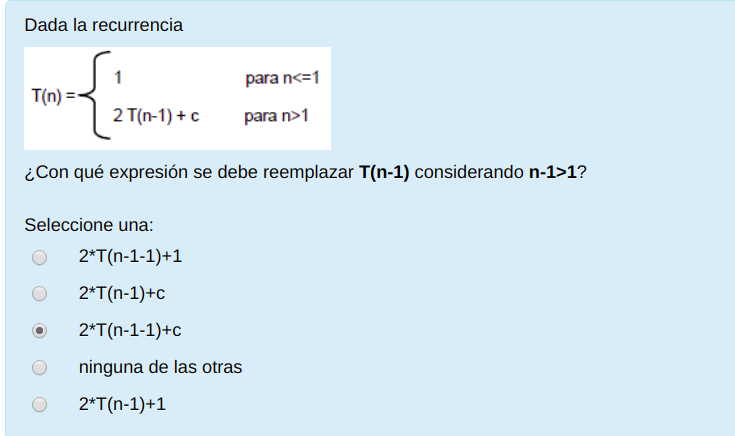
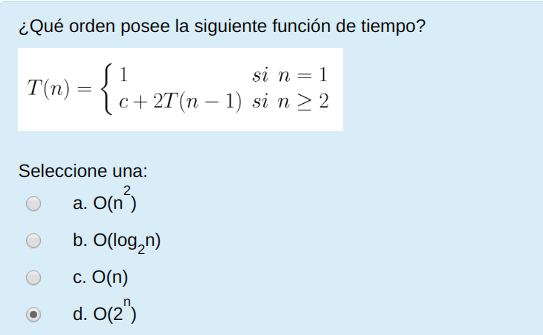
|  |  |
| --- | --- |
| https://cdn.discordapp.com/attachments/699632920058527784/728948024201707540/unknown.png  La primera |  |



La primera: 1024\*log\_2(1024)/10000=1024\*10/10000=10240/10000=1.024s



La tercera



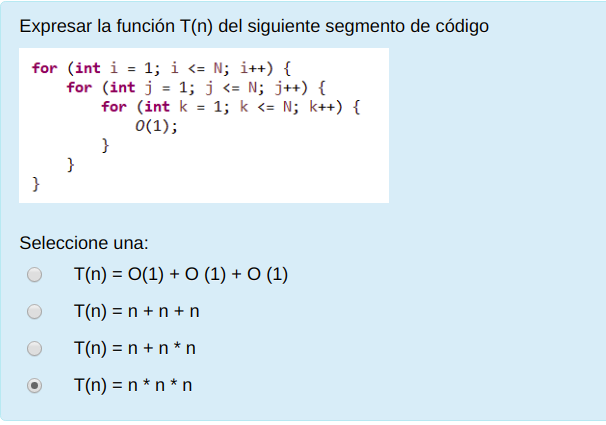
T(n)=2i\*T(n-i)+(2i-1)\*c n-1=i

T(n)=2n-1\*T(n-(n-1))+(2n-1-1)\*c

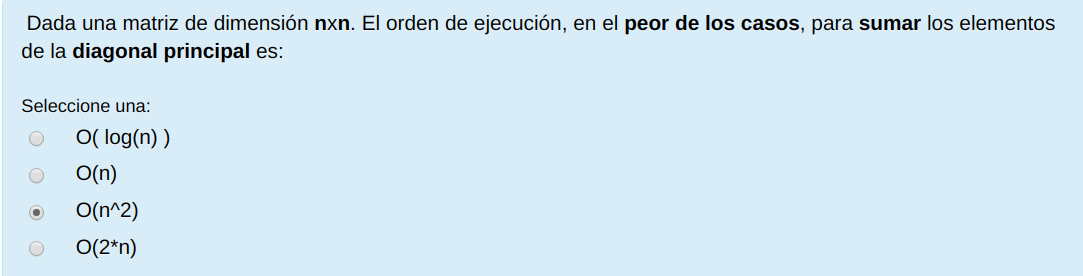
T(n)=2n-1\*T(1)+c2n-1-c

T(n)=2n-1\*c1+c2n-1-c

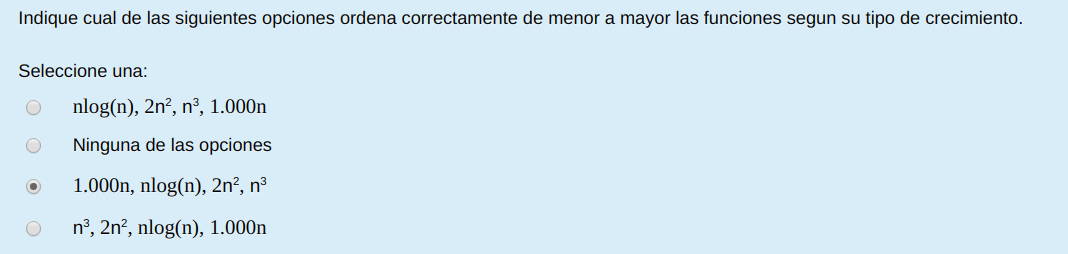
O(n)=2n



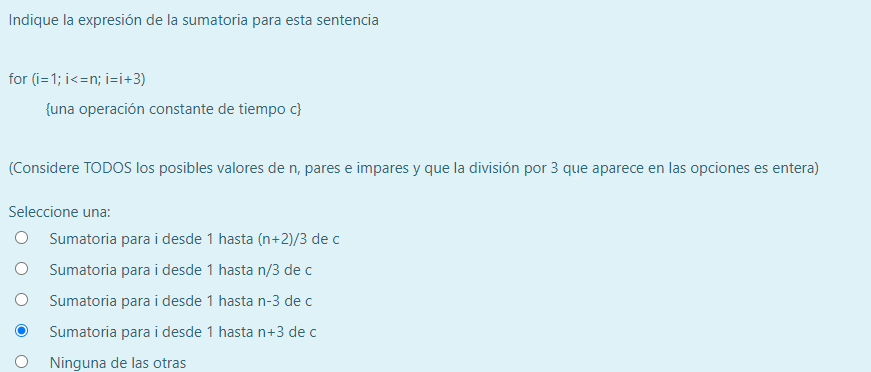
La cuarta



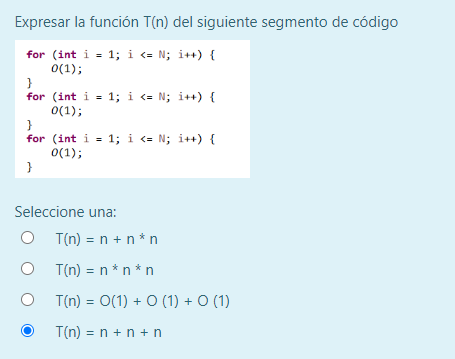
Es O(n), código:For i=1; i<n;i++{ sum+=m[i][i]}



La tercera

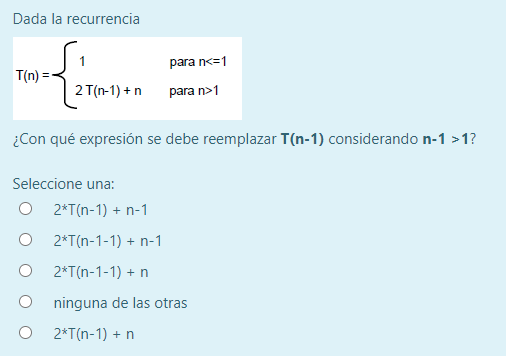


La segunda, ya que avanza de a 3, solo recorre un tercio de n

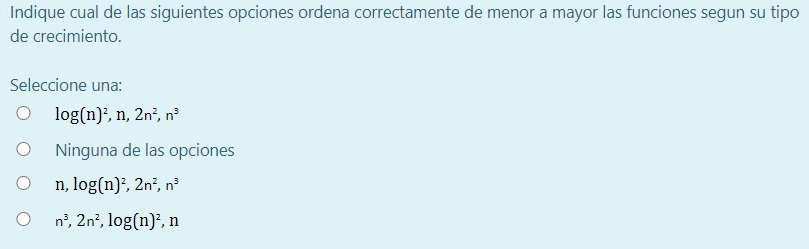


La cuarta

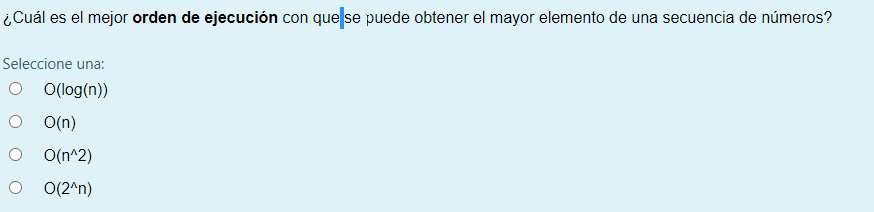
|  |  |
| --- | --- |
| https://cdn.discordapp.com/attachments/699632920058527784/728948329723199571/Screenshot_20200704-091955_WhatsApp.jpg  La tercera |  |



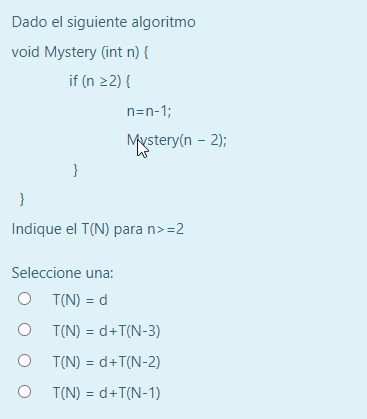
La segunda

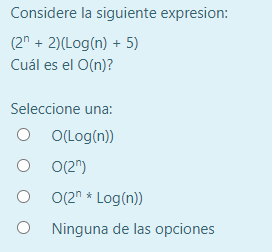


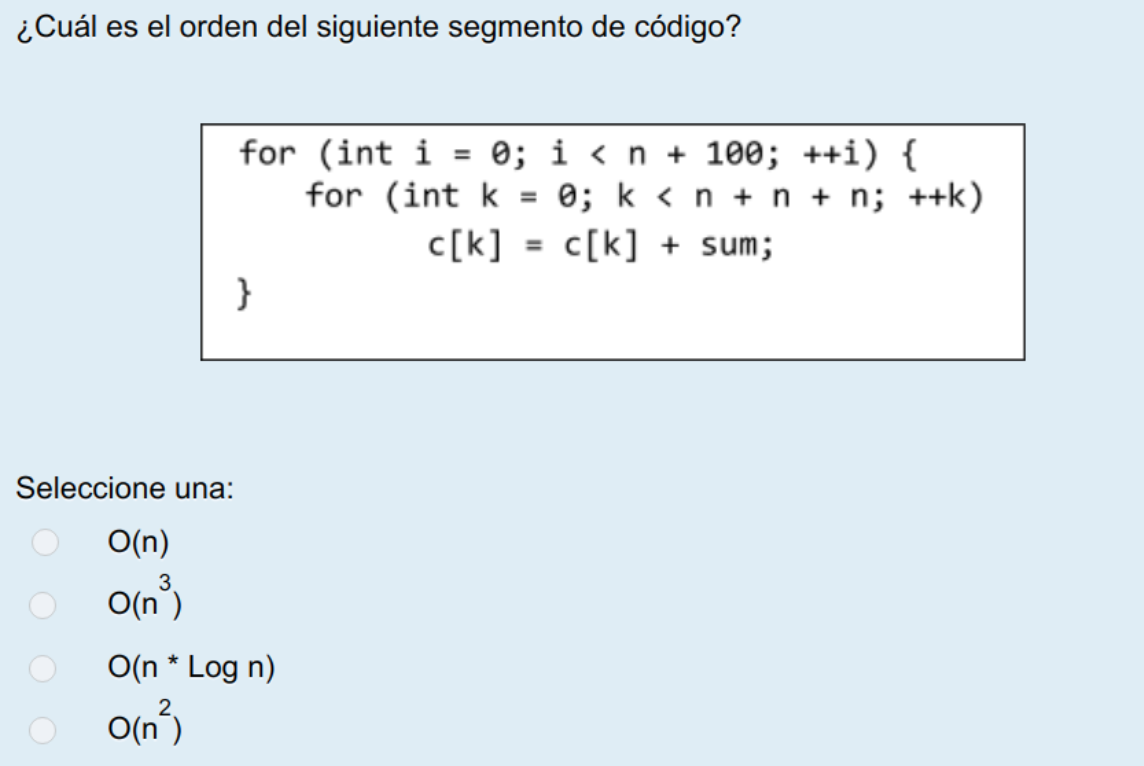
La primera



La segunda: O(n)

La segunda, resta n antes de hacer la llamada

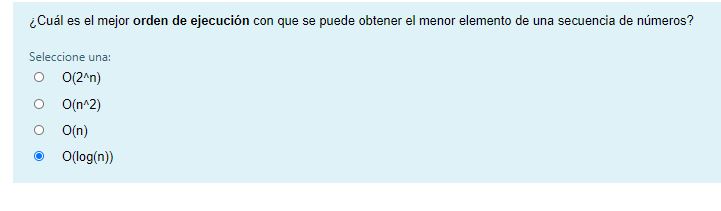
La tercera



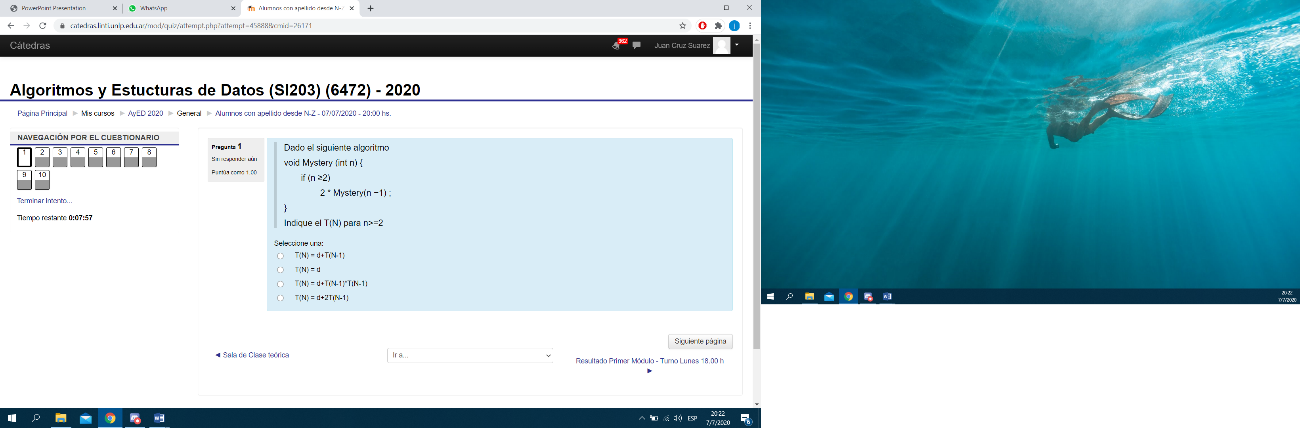
O(n2)



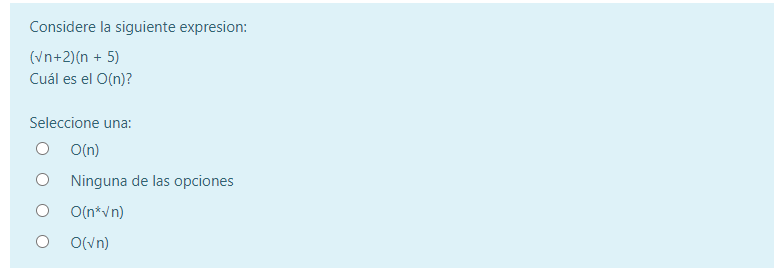
La cuarta



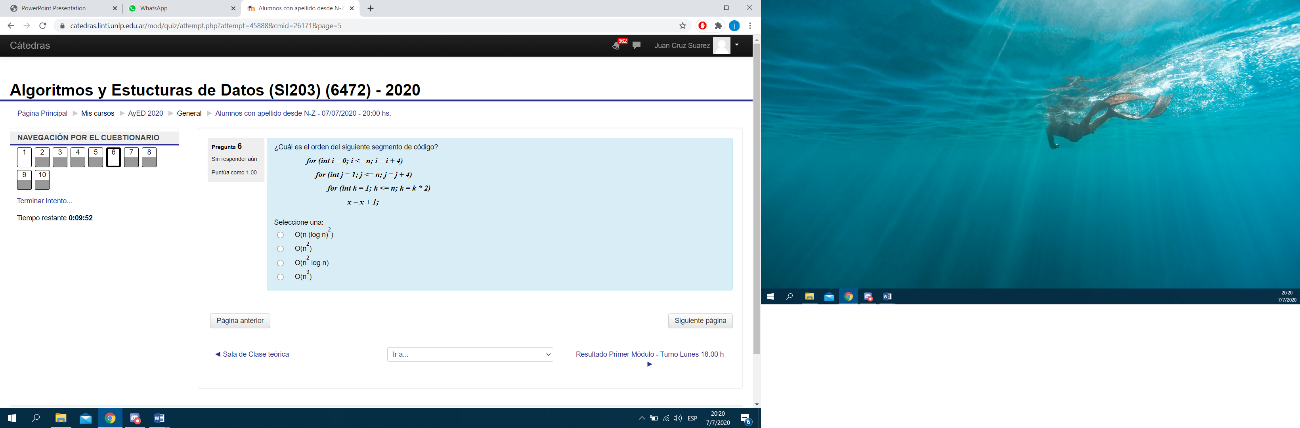
La tercera, O(n)



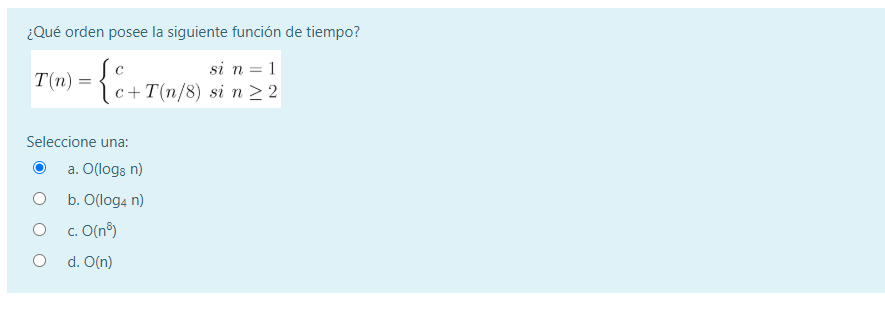
La primera



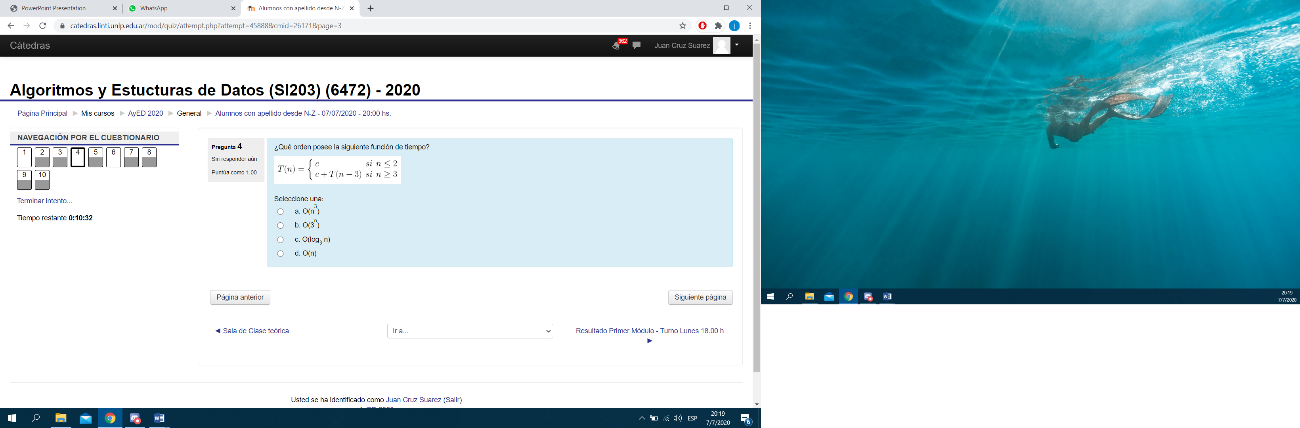
n\*raíz(n)



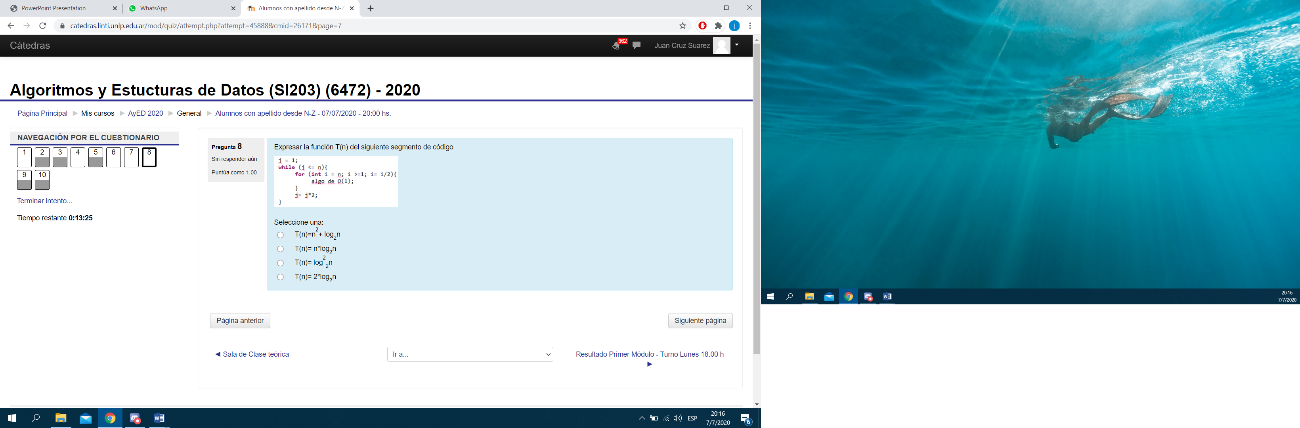
La tercera n2\*log(n)



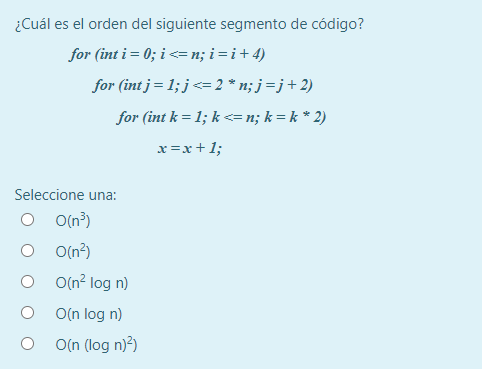
La primera: log8(n)



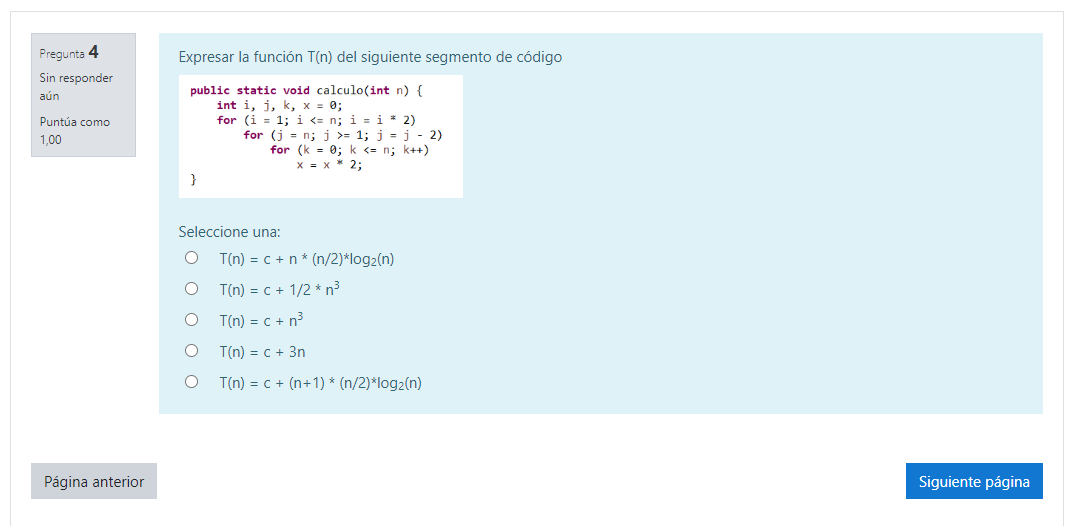
La cuarta: O(n)



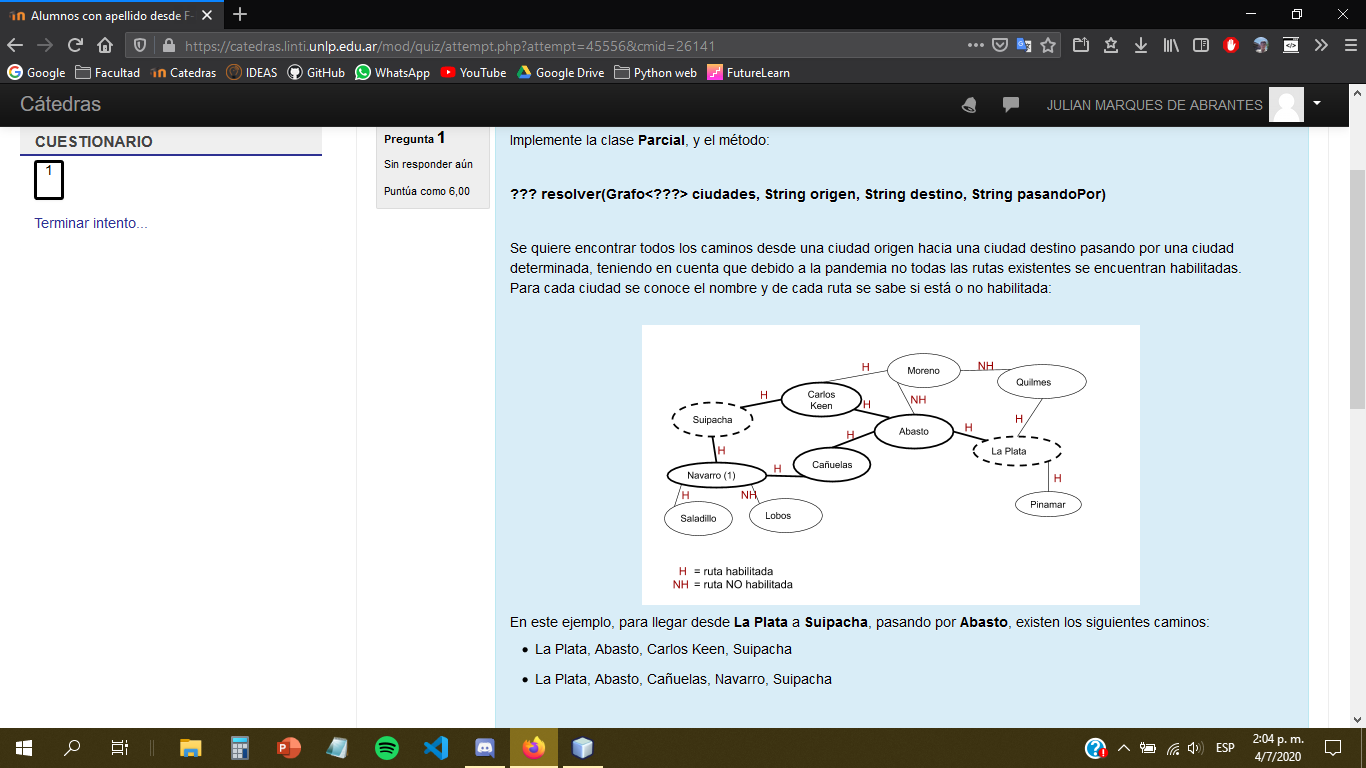
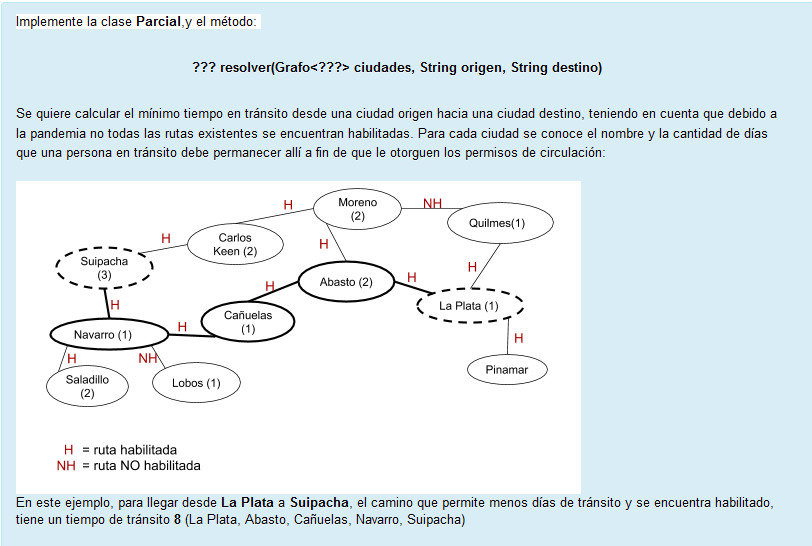
La tercera: log22(n)

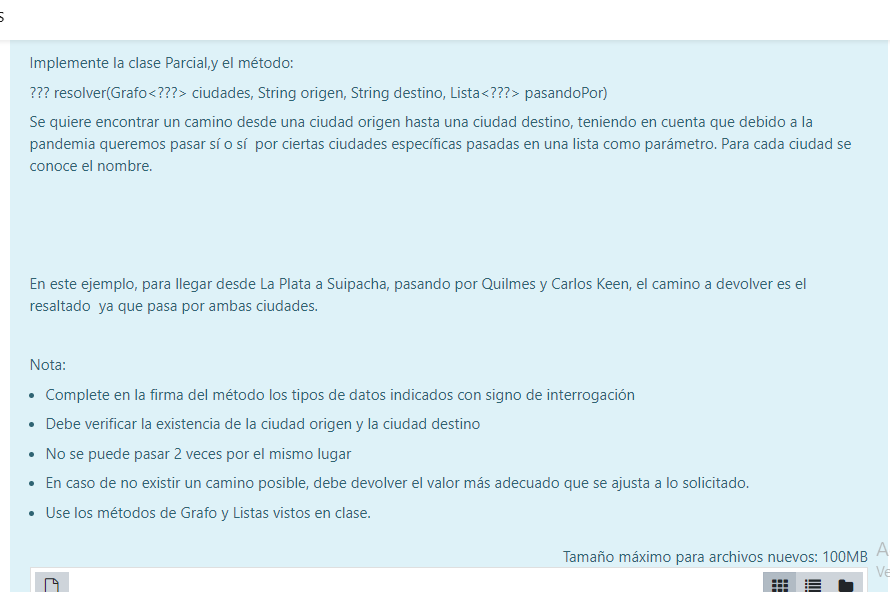
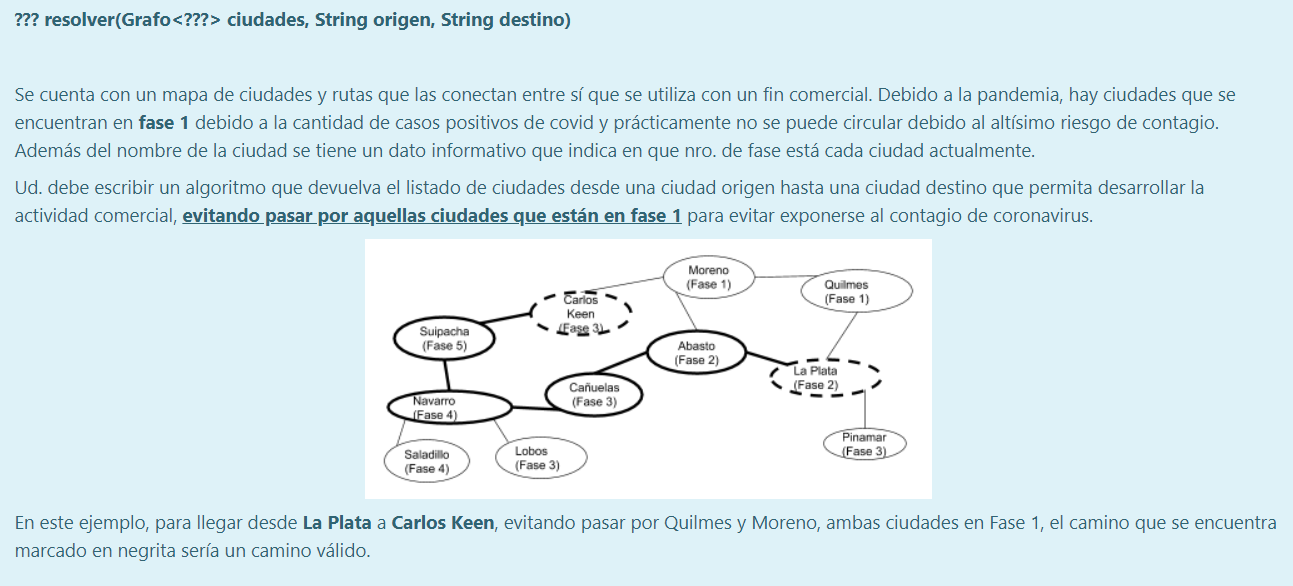
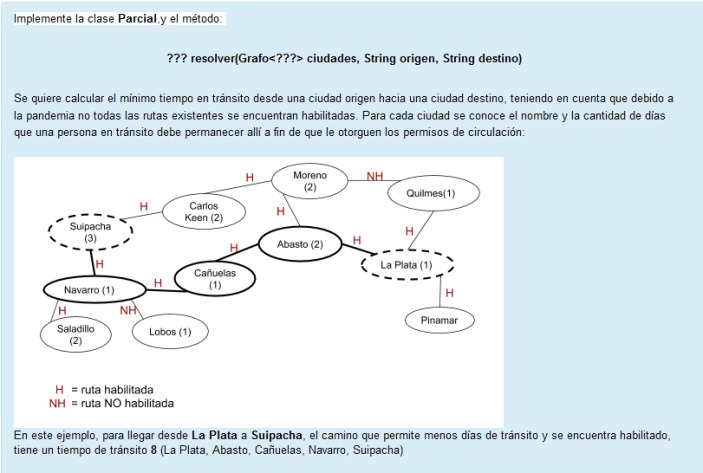


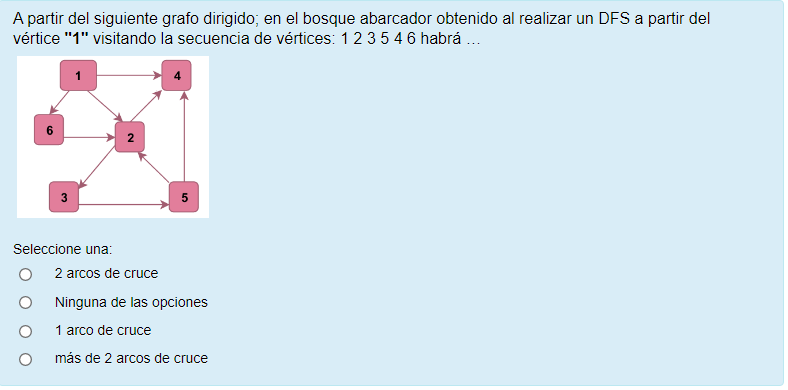
La tercera



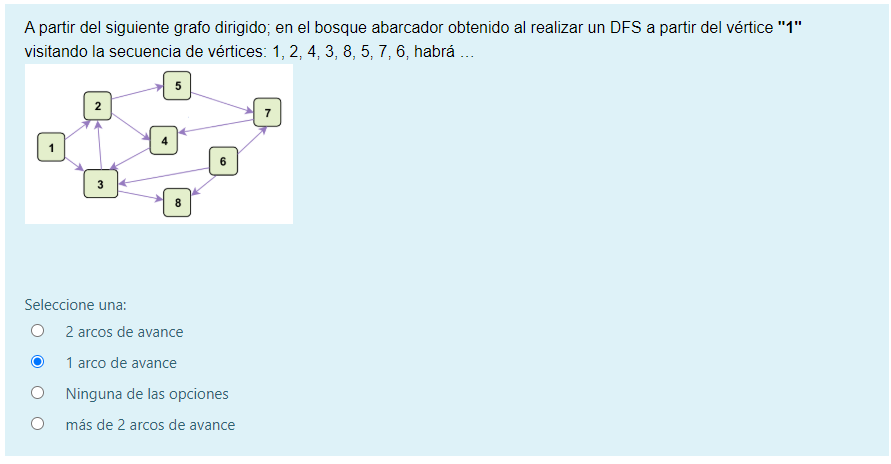
La quinta



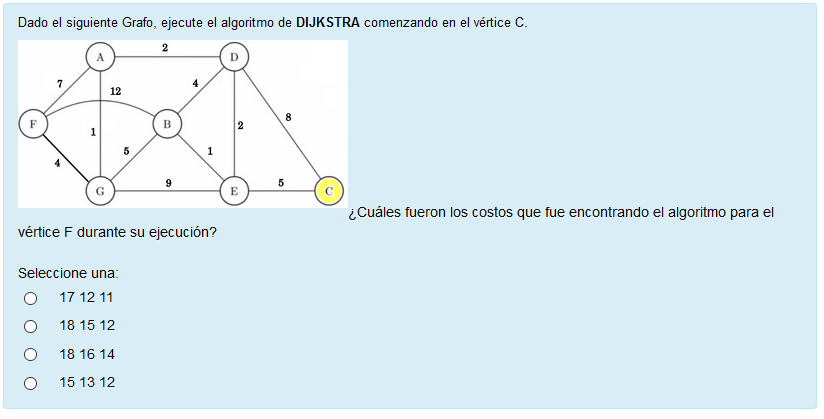




Hay un arco de cruce: 6->2

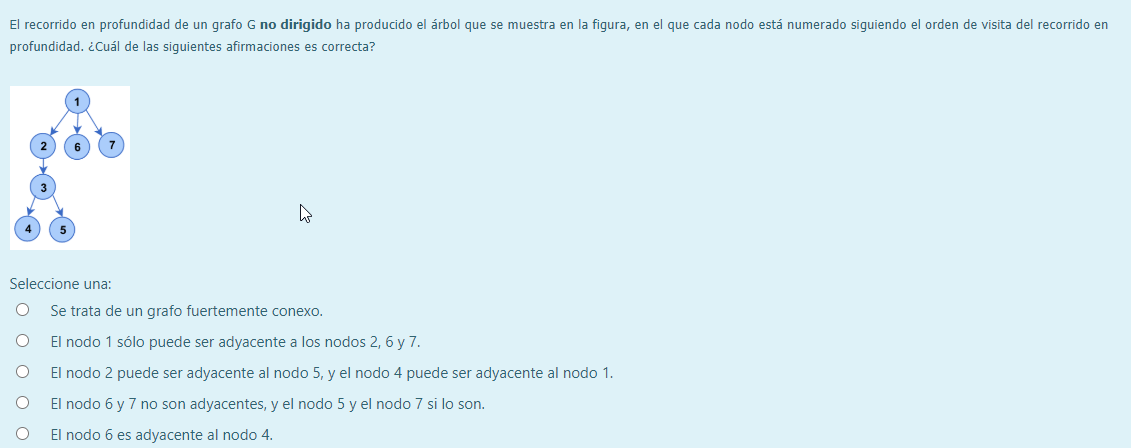


1 arco de avance: 1->3

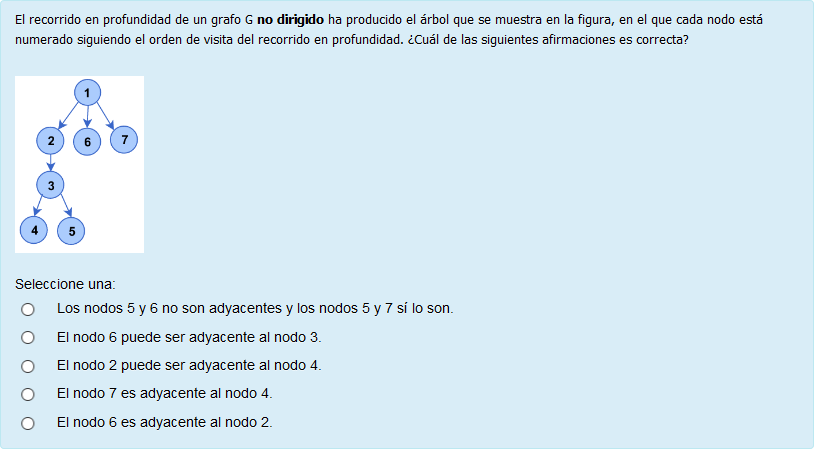


|  |  |  |  |
| --- | --- | --- | --- |
| Vertice | Peso actual | Anterior | Iteracion |
| A | 9 | D | 5 |
| B | 6 | E | 3 |
| C | 0 | - | 1 |
| D | 8-7 | C-E | 4 |
| E | 5 | C | 2 |
| F | 18-16-14 | B-A-G | 7 |
| G | 14-11-10 | E-B-A | 6 |

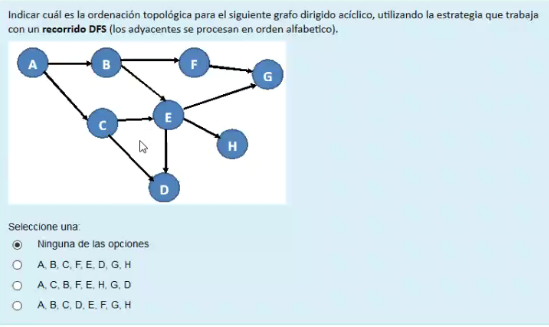
La tercera

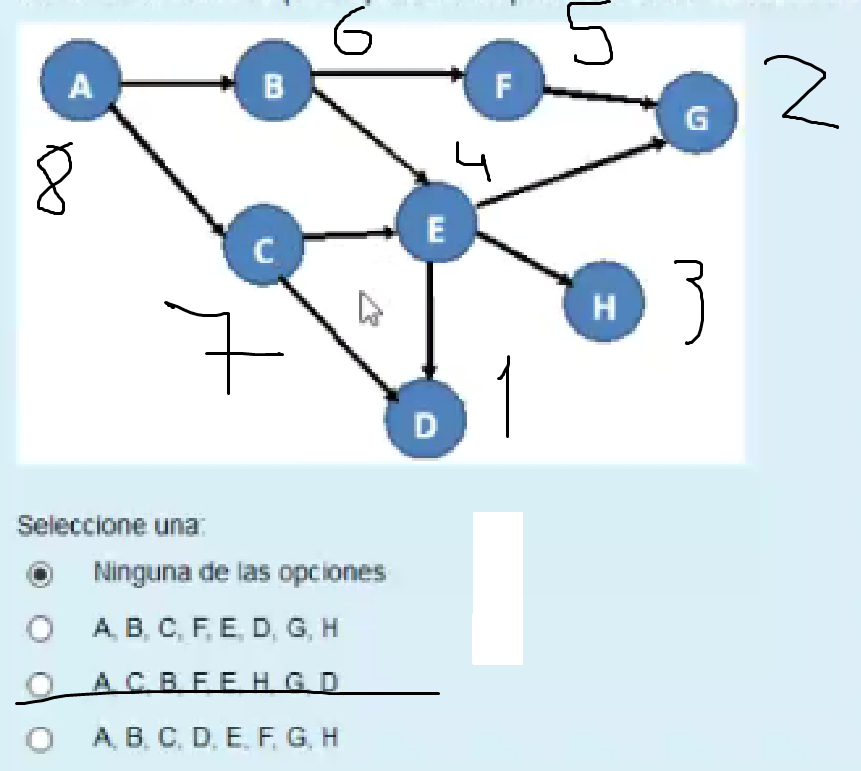


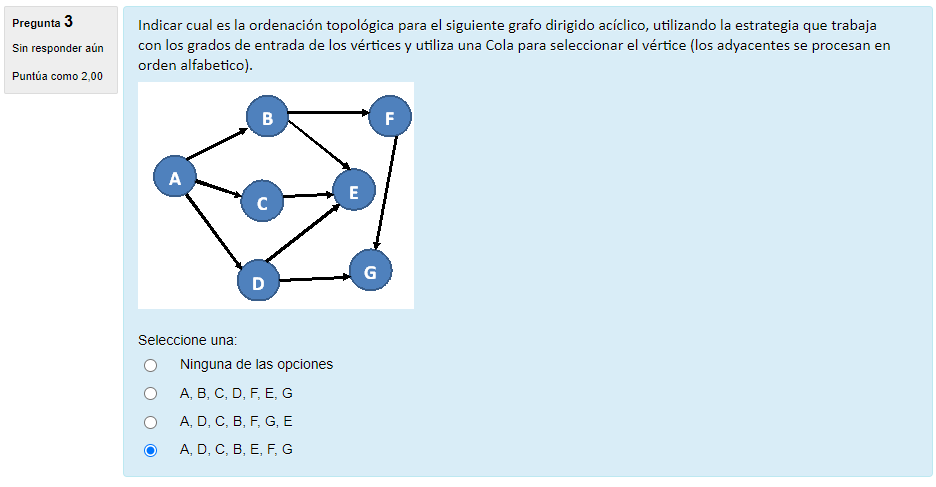
La tercera



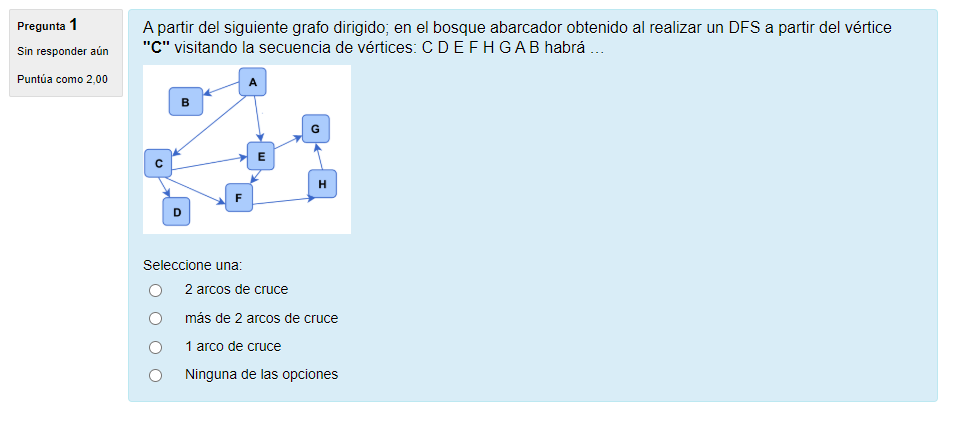
La tercera



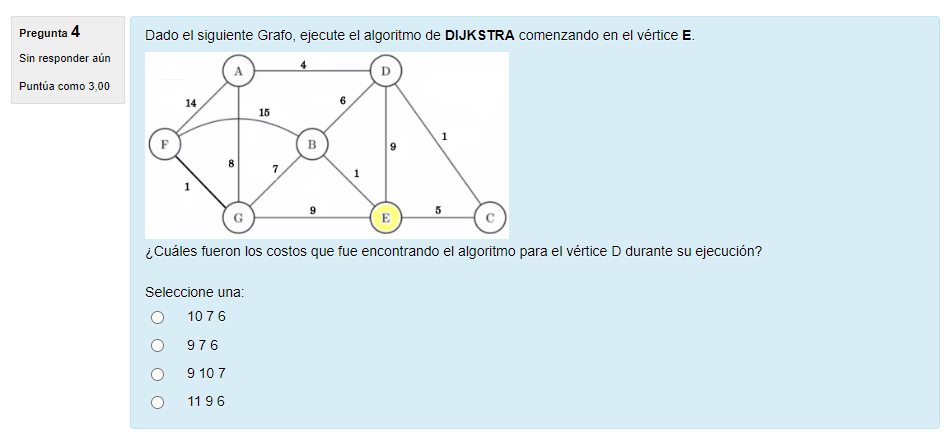
La tercera



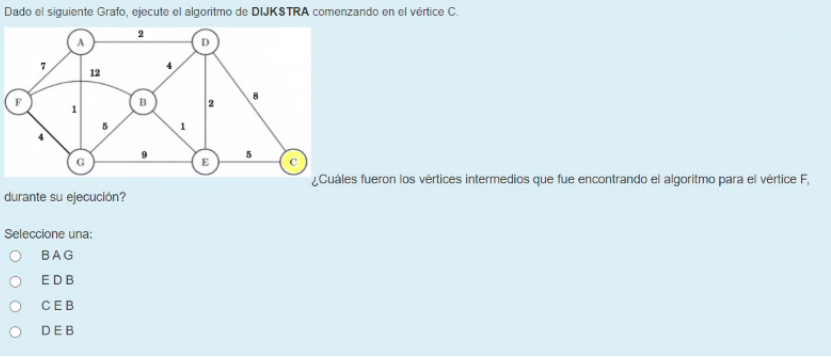
La segunda



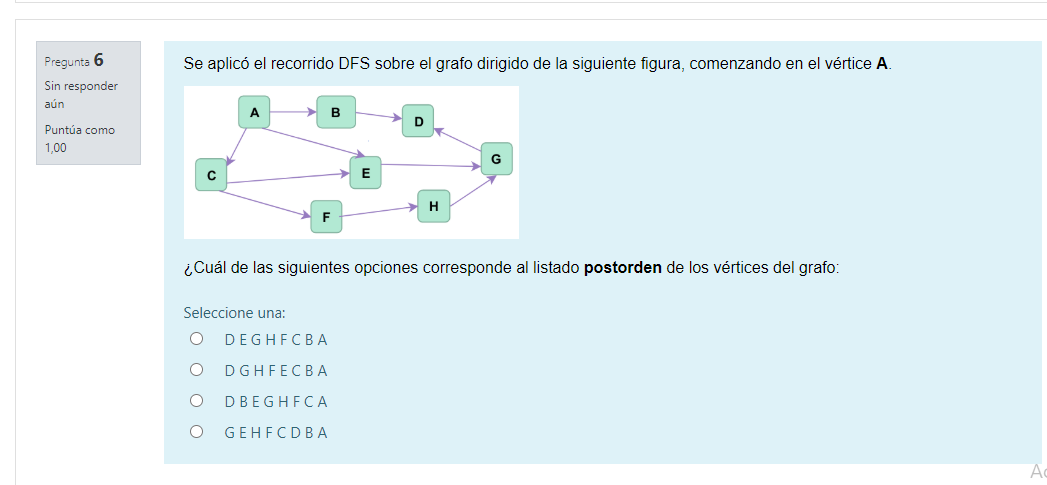
La primera



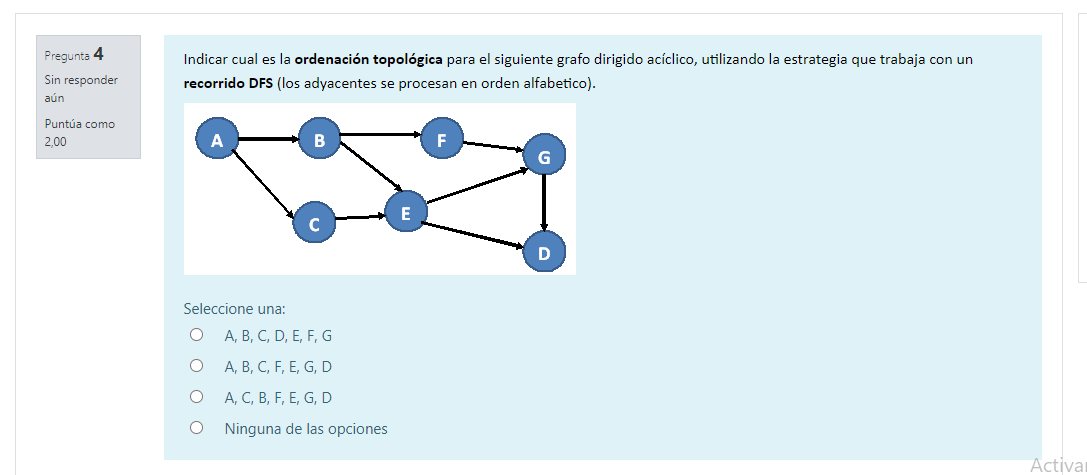
La segunda



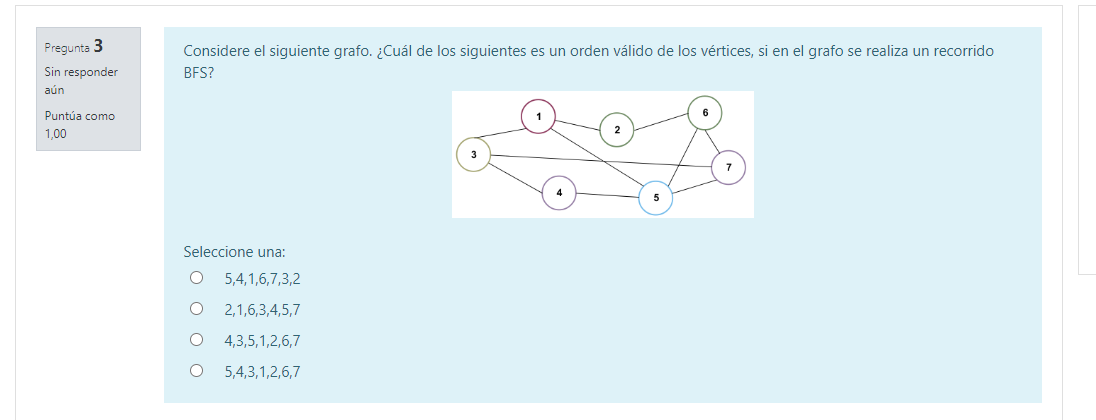
La primera



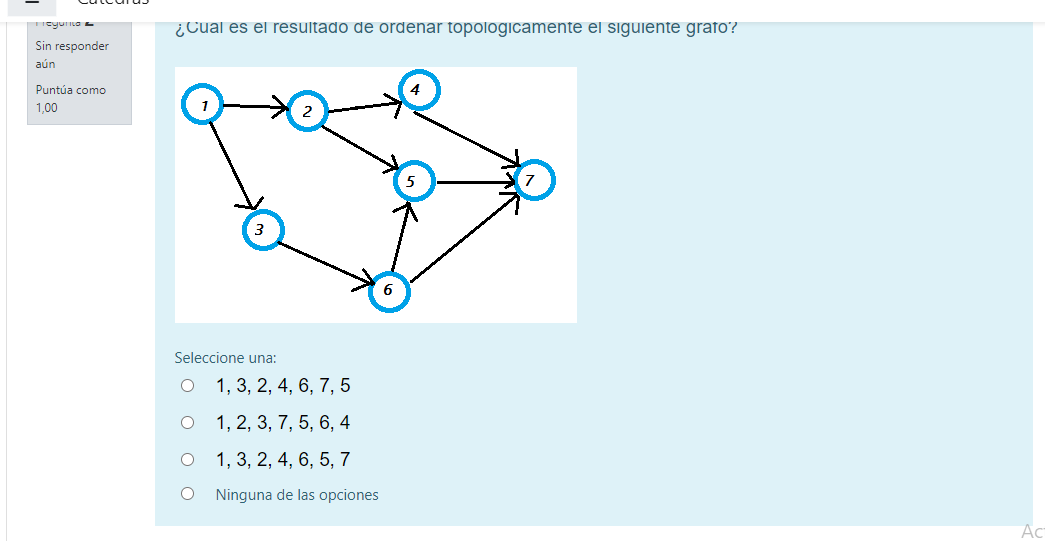
La segunda



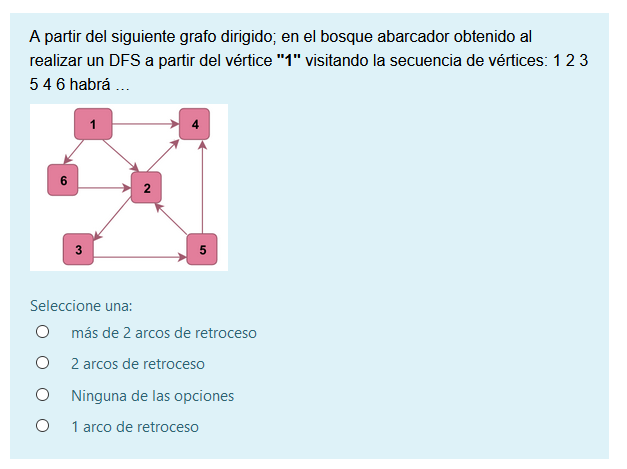
La tercera



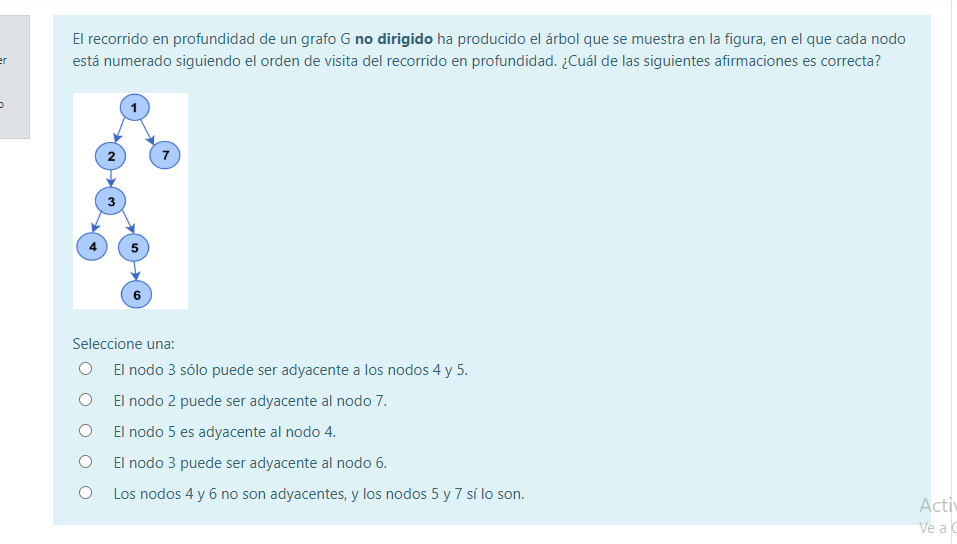
La primera



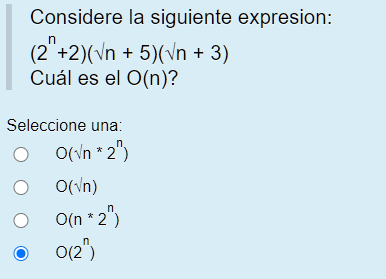
La tercera



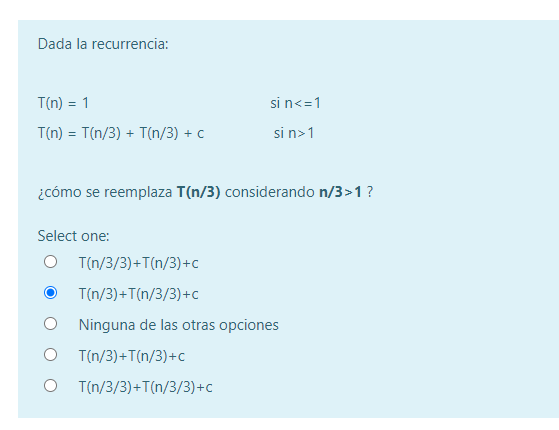
La cuarta



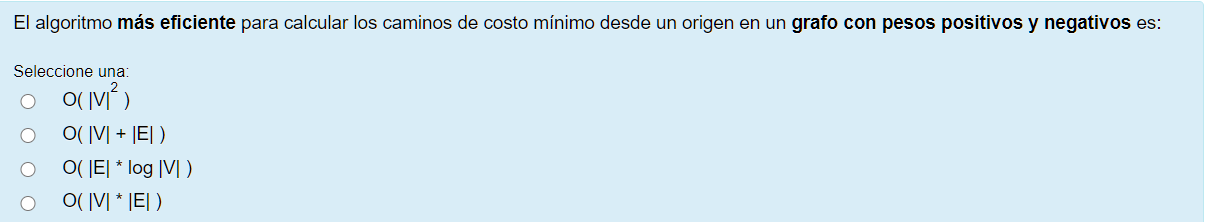
La cuarta



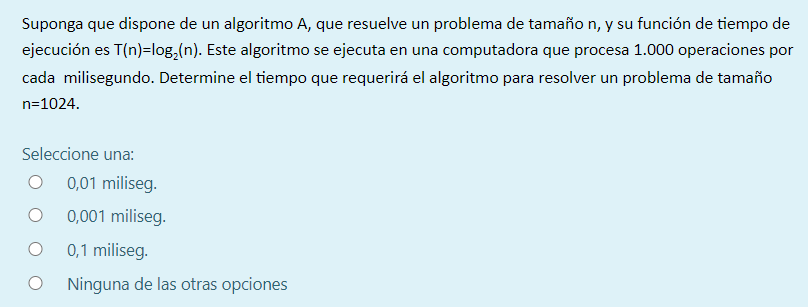
n\*2n



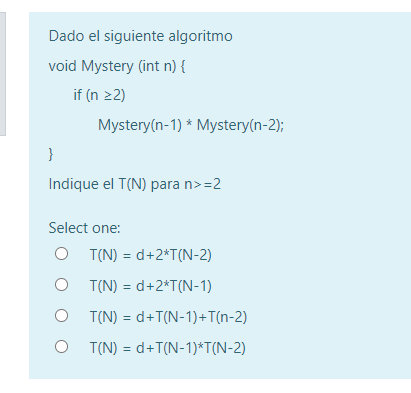
La tercera



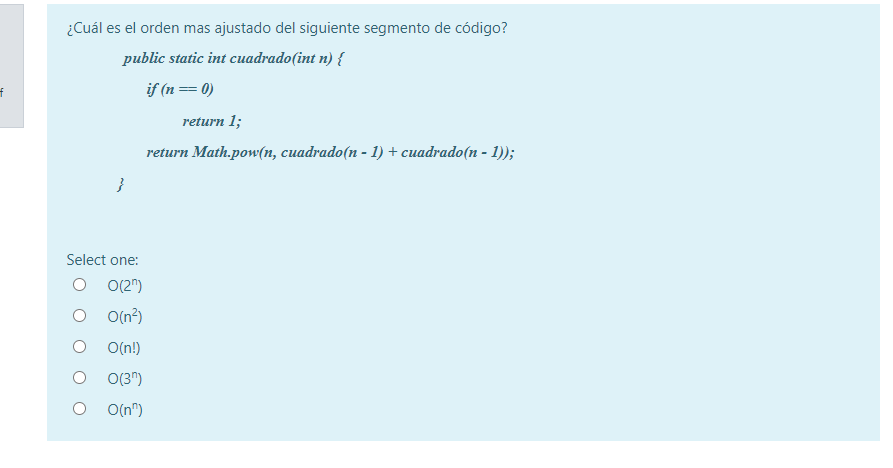
La cuarta



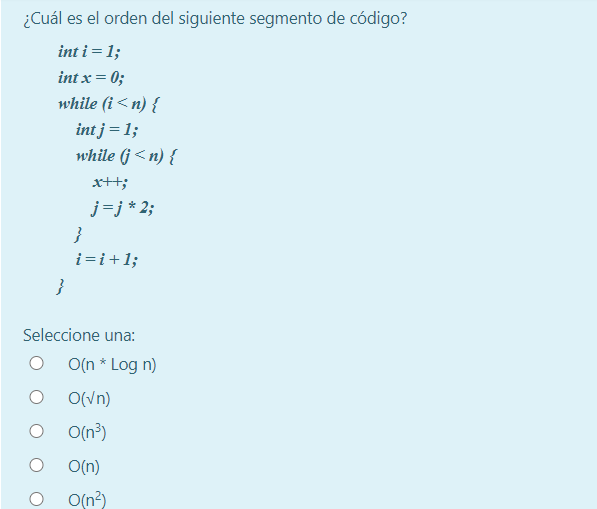
La primera: Log2(1024)=10/1000=0,01



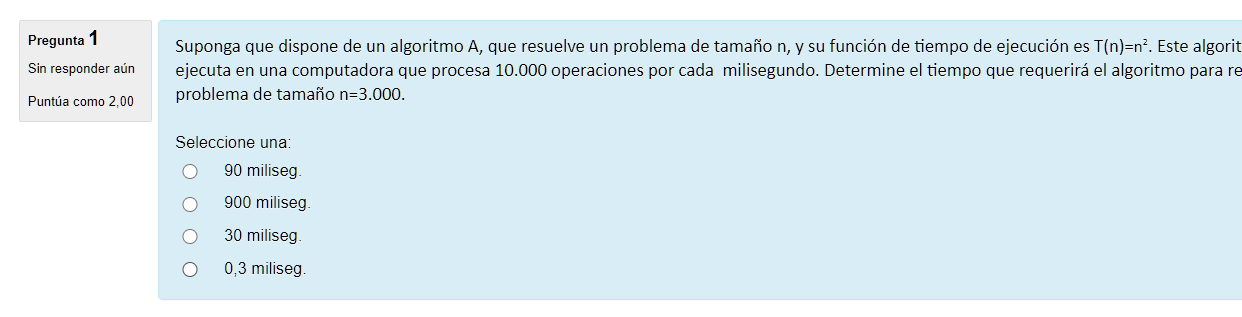
La tercera



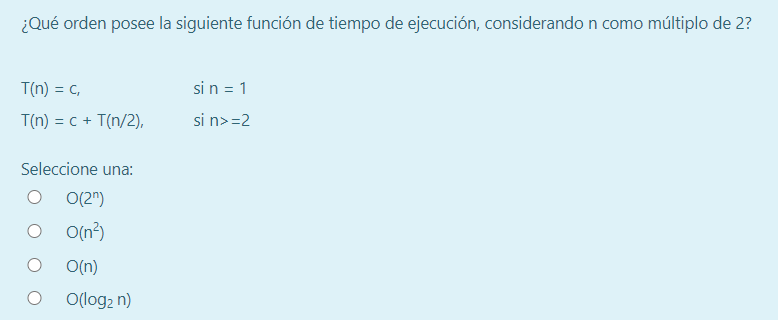
La primera



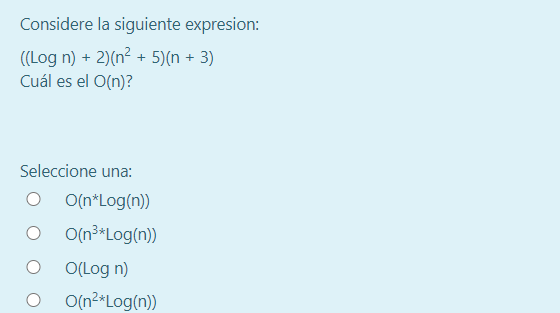
La primera



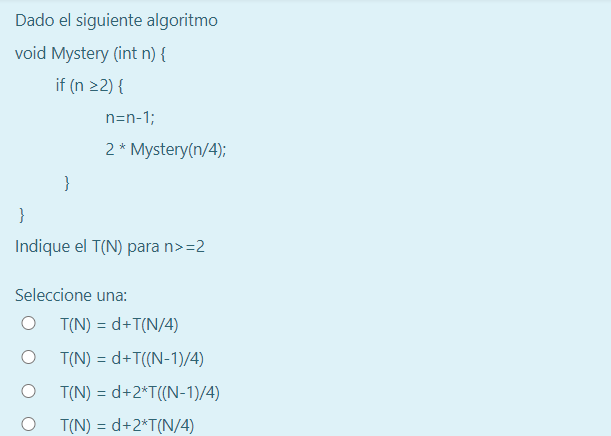
30002=9000000/10000=900ms



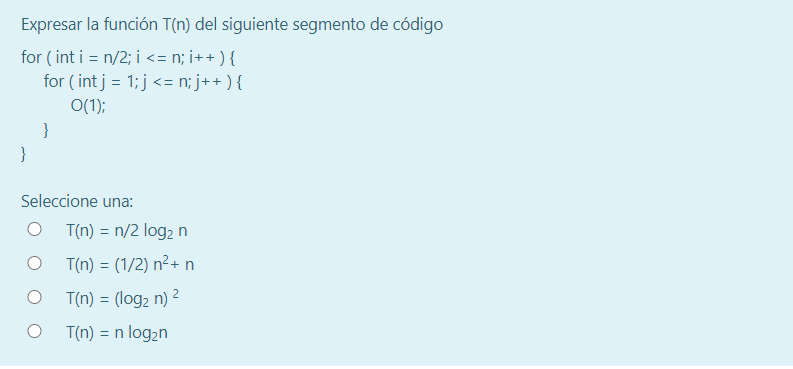
La cuarta

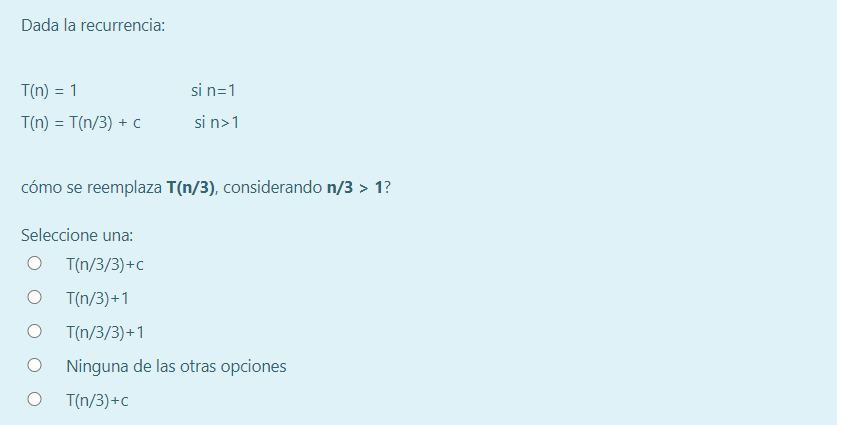


La segunda

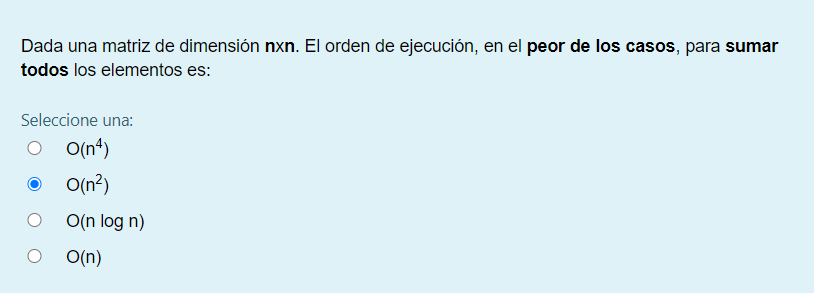


La segunda

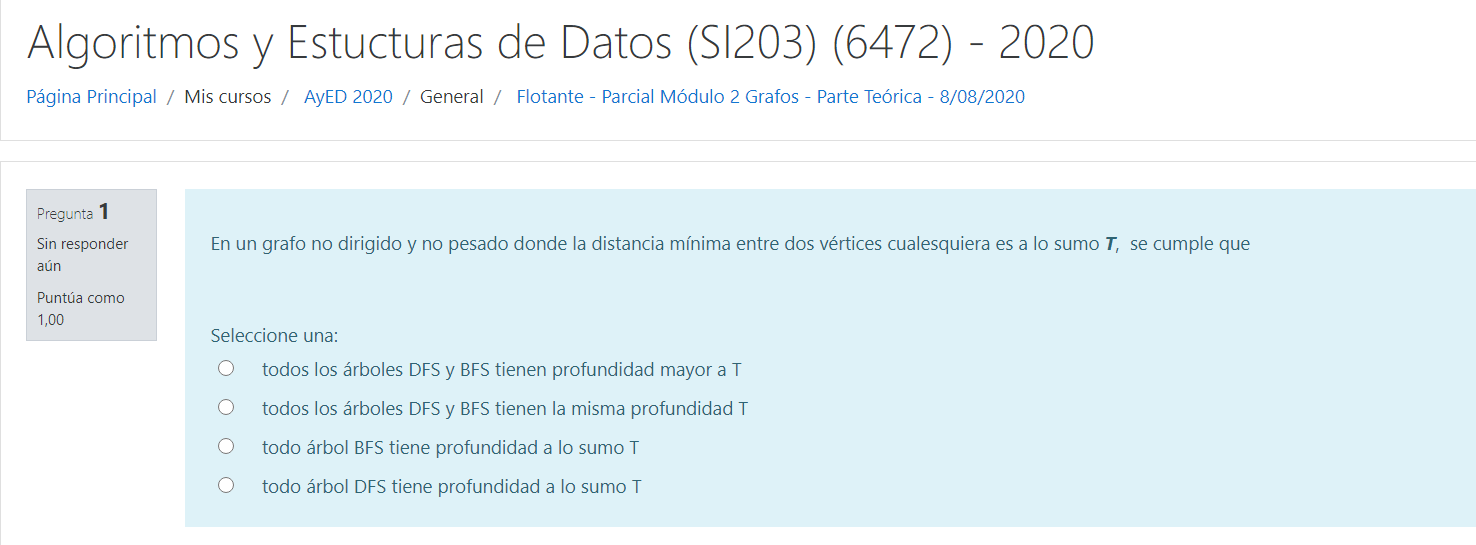
La segunda



La primera

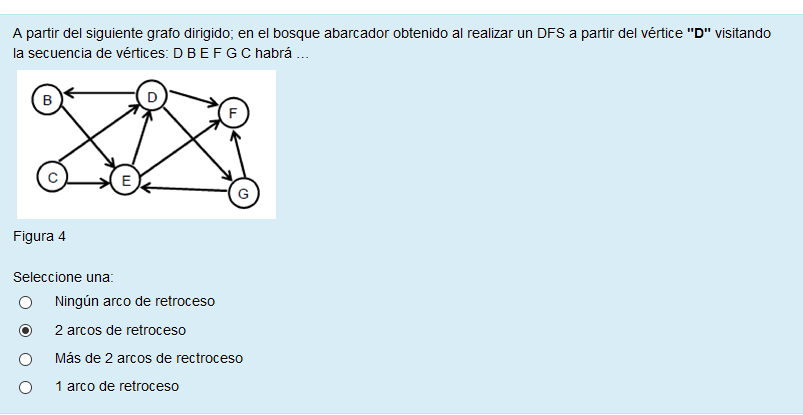


La marcada



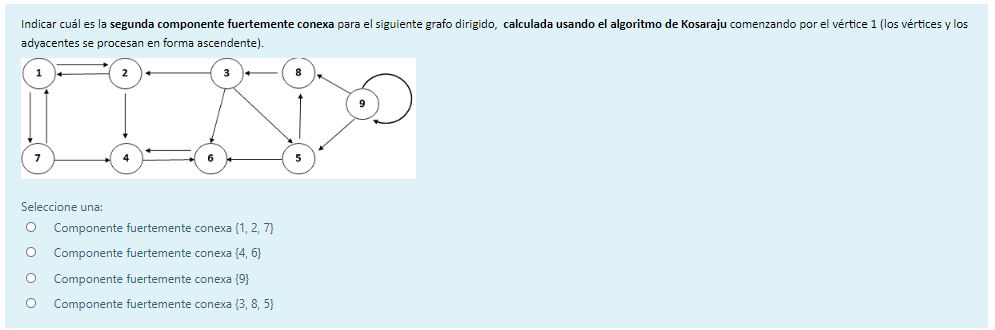
La tercera

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| https://cdn.discordapp.com/attachments/699632920058527784/741696234388979824/unknown.png | |  |  |  |  | | --- | --- | --- | --- | | Vertice | Peso actual | Anterior | Iteracion | | A | 0 | - | 1 | | B | 16 | A | 6 | | C | 7 | A | 3 | | D | 13 | E | 5 | | -E | 4 | A | 2 | | -F | 9 | C | 4 | | G | 17 | F | 7 |   DEFG, las respuestas están mal? |

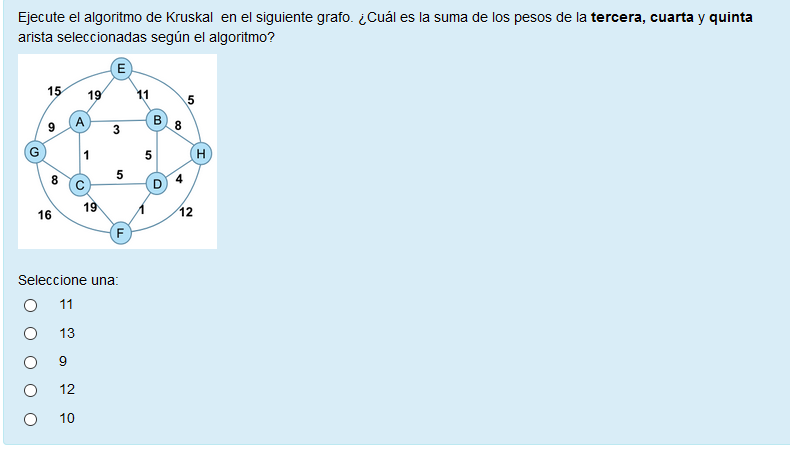


La cuarta

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| https://cdn.discordapp.com/attachments/699632920058527784/734047162178207865/unknown.png | |  |  |  |  | | --- | --- | --- | --- | | Vertice | Peso actual | Anterior | Iteracion | | A | 0 | - | 1 | | B | 16 | A | 7 | | C | 7 | A | 4 | | D | 13-8 | E-G | 5 | | -E | 4 | A | 2 | | F | 15-13-9 | E-G-C | 6 | | G | 6 | E | 3 |   Es solo E o EDG? #? |

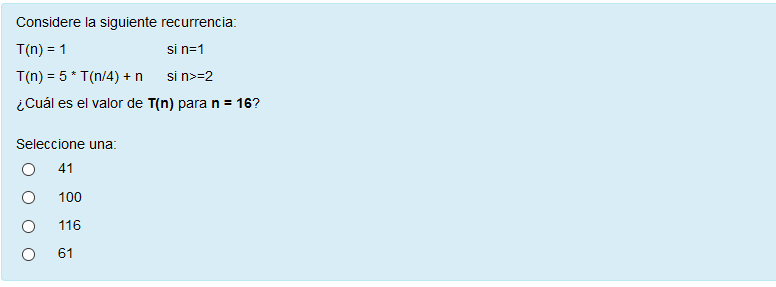


La cuarta

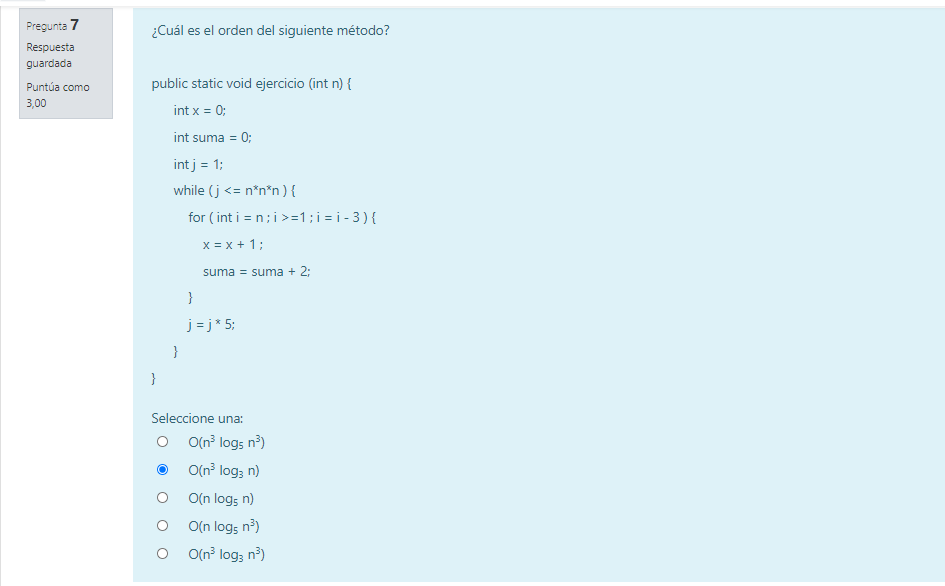


La cuarta: 3+4+5=12

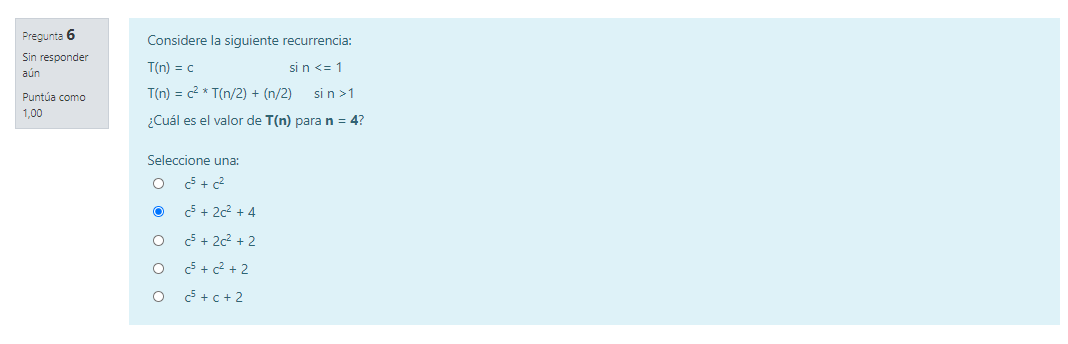
1=a-c d-f 3=a-b 4=d-h 5=e-h c-d b-d 8=g-c b-h 9=g-a 11=e-b



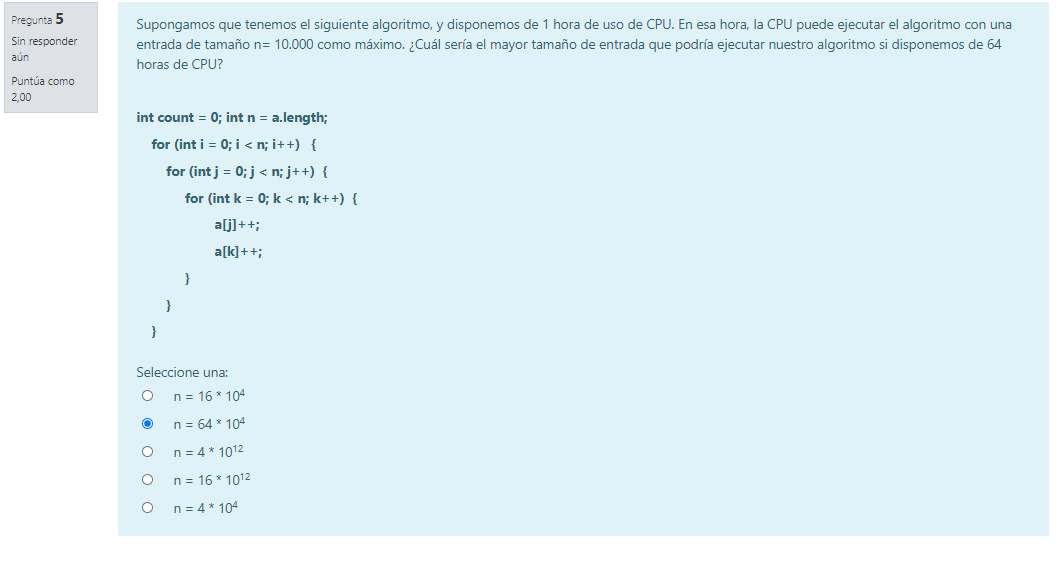
La cuarta: 5\*9+16=61



La cuarta

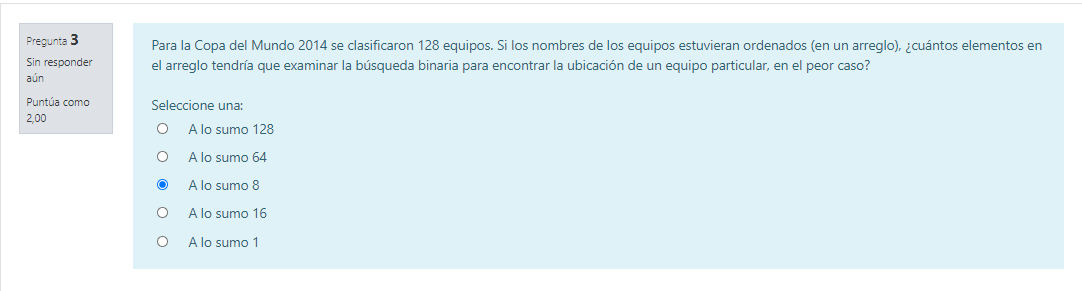


La cuarta: c5+c2+2

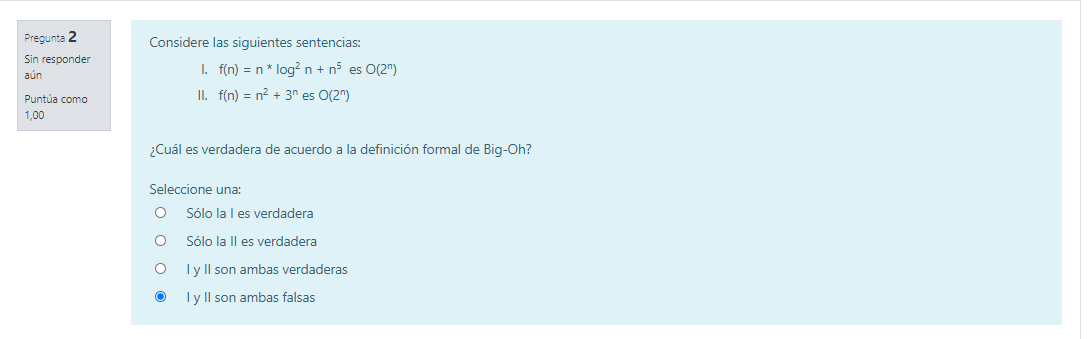


La ~~segunda~~ quinta

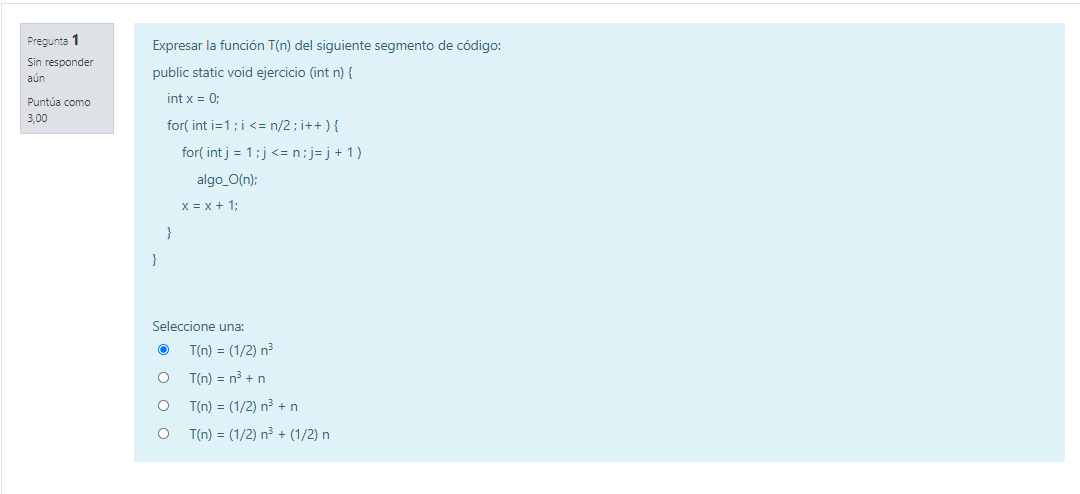
|  |  |
| --- | --- |
| https://cdn.discordapp.com/attachments/699632920058527784/812424282038075412/unknown.png  La primera |  |



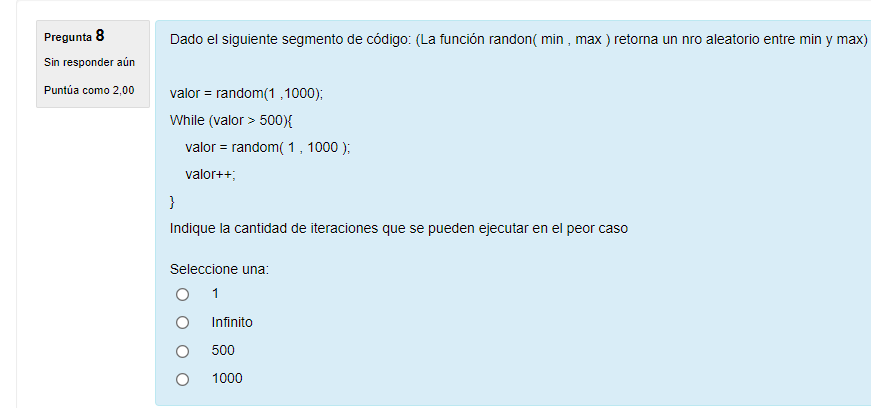
La tercera



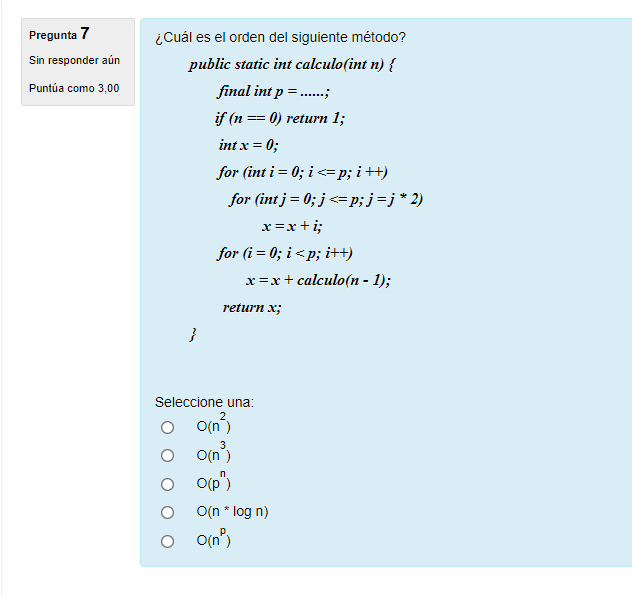
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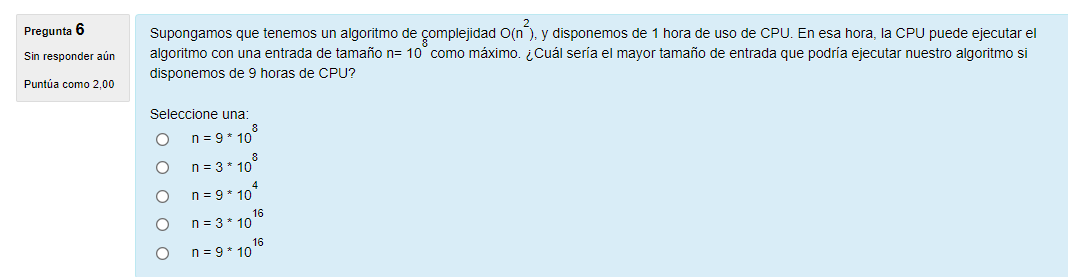
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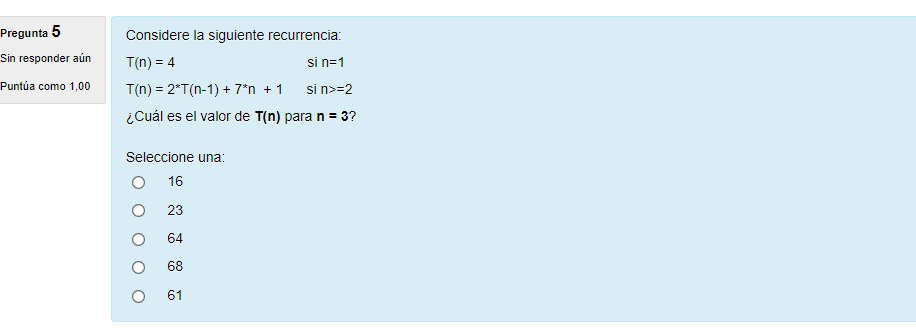
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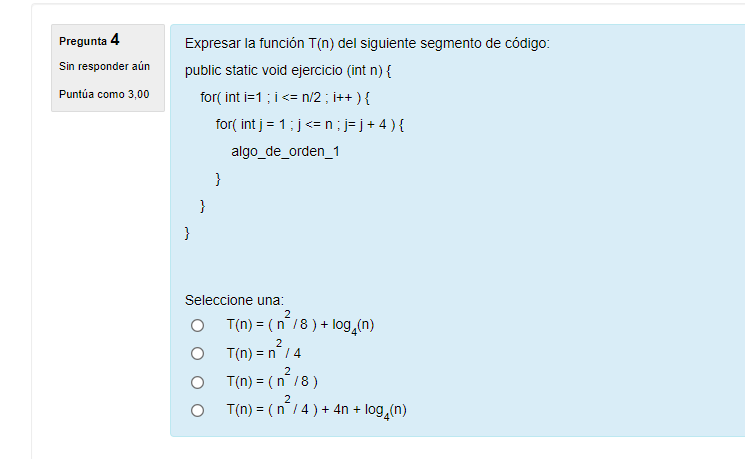
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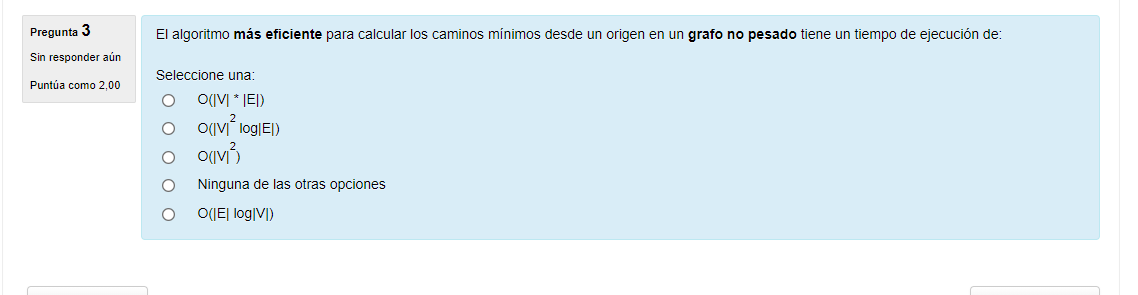
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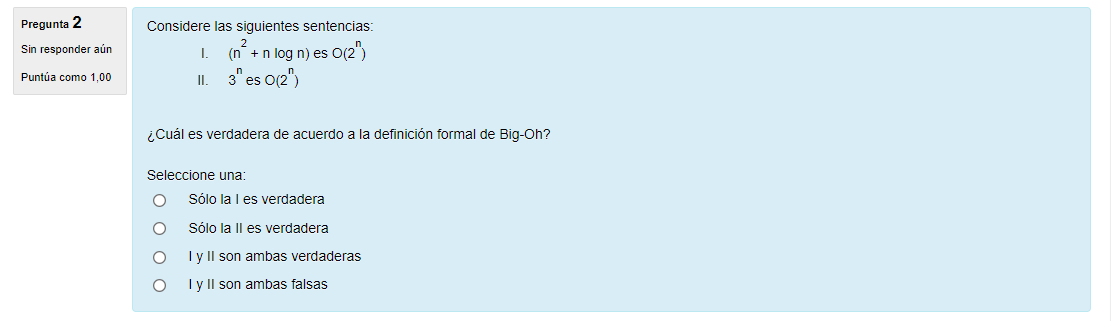
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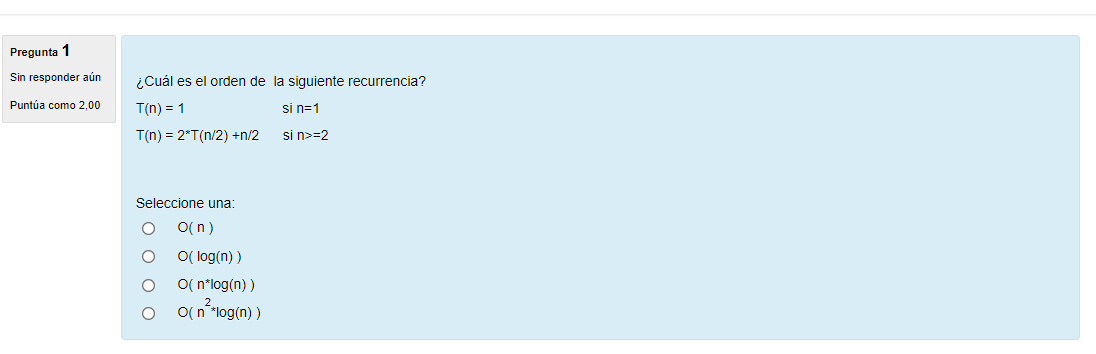
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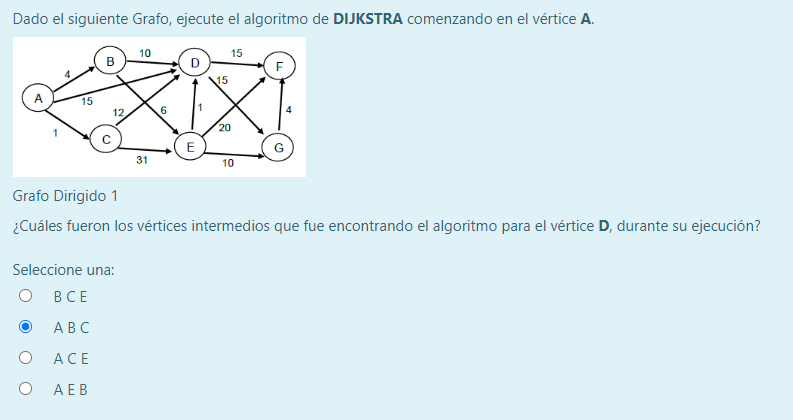
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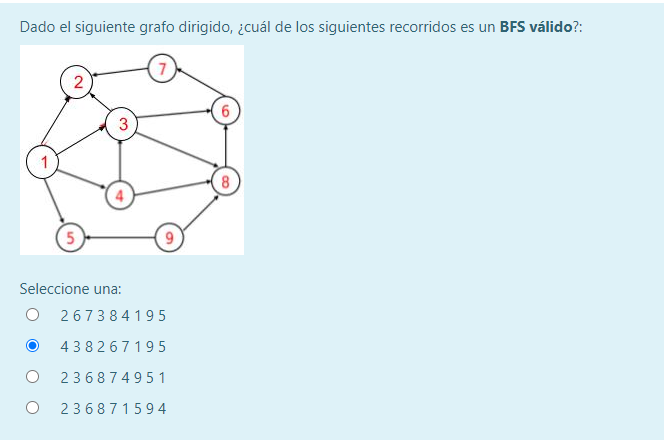
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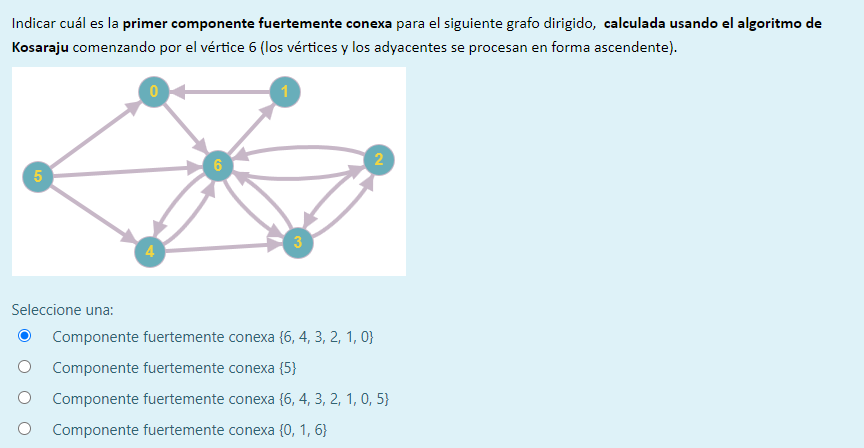
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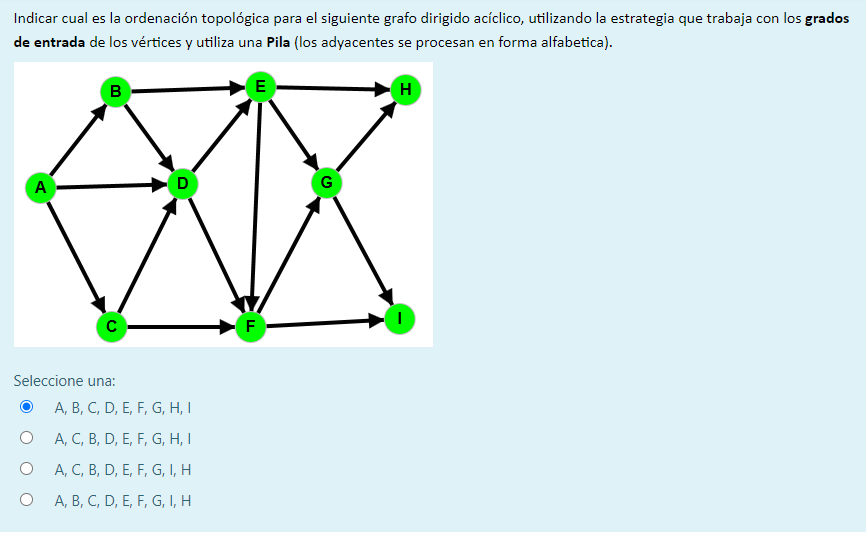
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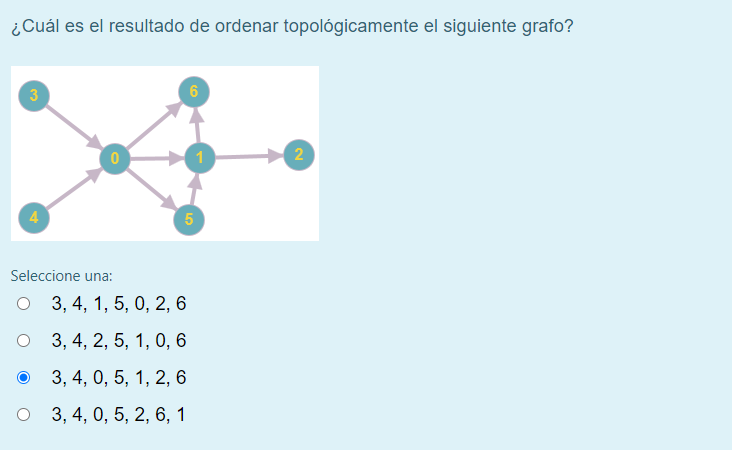
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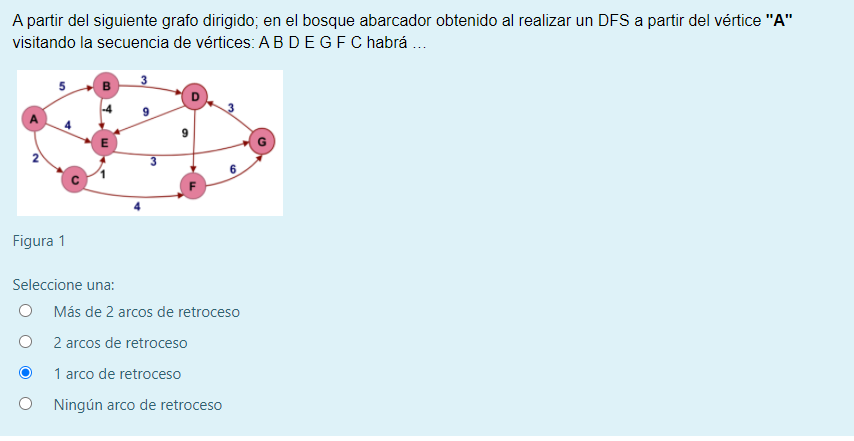
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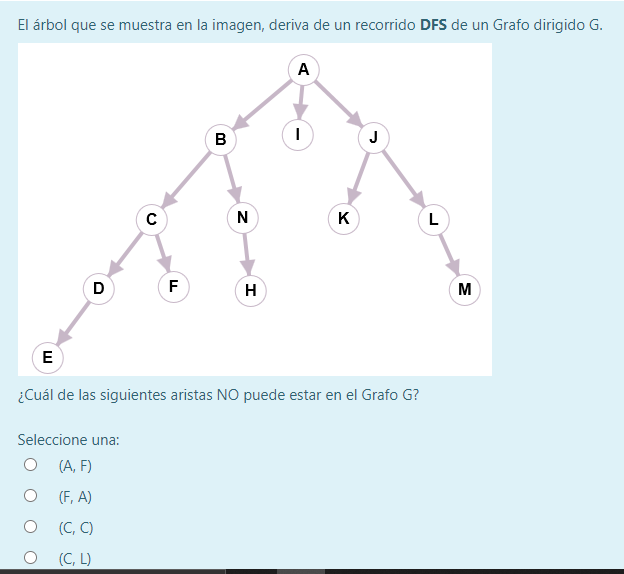
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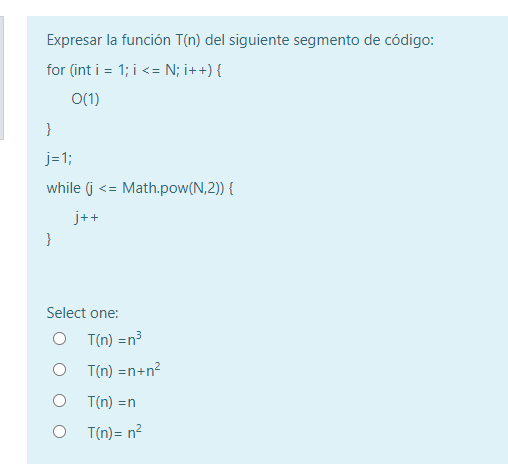
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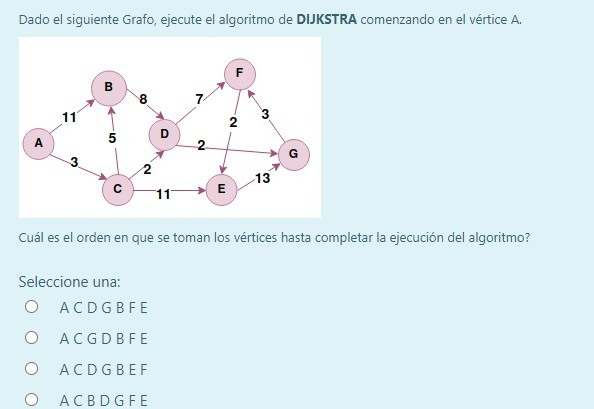
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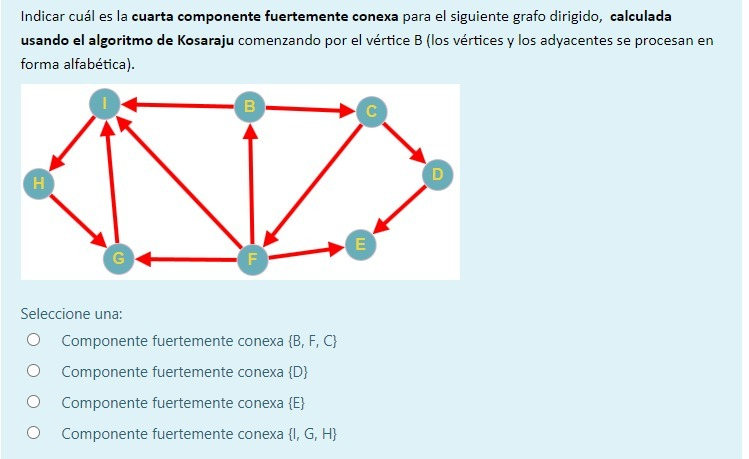
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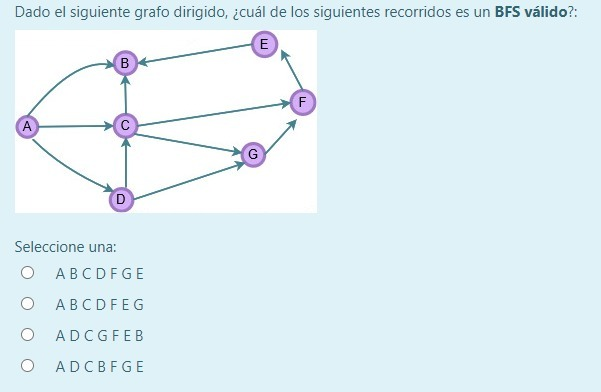
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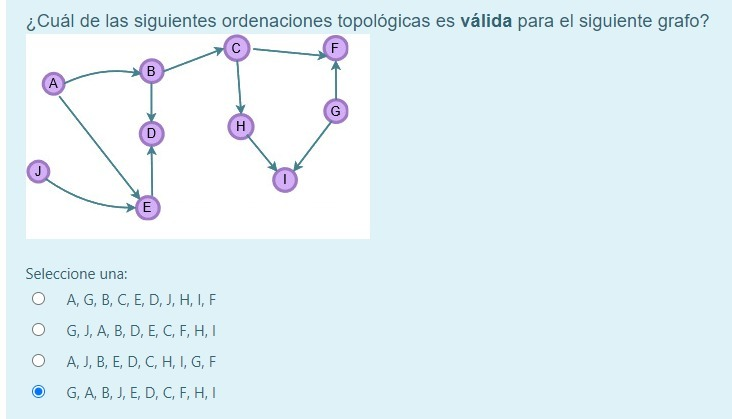
La primera



La tercera



La primera



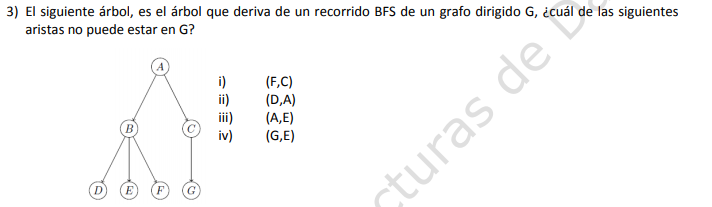
La cuarta



La cuarta



La tercera



La tercera