INFO 6205

Assignment 2

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* Output and Evidence:

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| --- | --- | --- | --- | --- | --- |
|  | n =1000 | n =2000 | n =3000 | n =4000 | n =5000 |
| Partially-ordered | 0.04186649 | 0.0469782199 | 0.07302988 | 0.40647979 | 0.25426697 |
| Reverse-ordered | 0.13138413 | 0.25046985 | 0.06348789 | 0.171927749 | 0.69752147 |
| Ordered | 0.06432357 | 0.074000639 | 0.14700522 | 0.25446855 | 0.16823439 |
| Random | 0.35210656999999995 | 0.07456979 | 0.15727575 | 0.15070618 | 0.21535472 |

* Conclusion:

Generally, the running time is Reverse-ordered > Random > Partially-ordered > Ordered and it increases with the rise of n.