Q8\_Prithvi\_Gaming4 (Note: this qn has been done with the help of Niharika and Likitha too ☺)

The poor mail man

Prithvi a poor mailman faces a very hard time making the 2 ends of his day meet. He cannot afford a 2 wheeler, so he delivers the mail by walk. He can only deliver one mail at a time as each mailbox of this sector is designed to take only one mail at a time. Once a mail is put inside a mail box, it will be taken by the house owner only after 1 hour. It will take Prithvi 10 mins to go from one house to another. Help him find the least time taking path to deliver these posts.

All we know is that he starts from the lower side of the sector.

He has to deliver one mail to the houses marked with and 2 mails to the houses marked

What is the least time he takes to deliver all the mails Also, find the sum of the last digits of the houses where he takes a turn?

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|  |  |  |
| --- | --- | --- |
| #502 | #503 | #504 |
| #602 | #603 | #604 |
| #702 | #703 | #704 |
| #802 | #803 | #804 |
| #902 | #903 | #904 |

Solution: 200 minutes, 32.

The sequence of house numbers is:

|  |  |  |
| --- | --- | --- |
| #502 | #503 | #504 |
| #602 | #603 | #604 |
| #702 | #703 | #704 |
| #802 | #803 | #804 |
| #902 | #903 | #904 |

902, 903”, 803, 703”, 704”, 604, 504”, 503, 502”, 602, 702, 802, 902”, 903, 904”, 804, 704”, 703”, 603, 503”, 502.