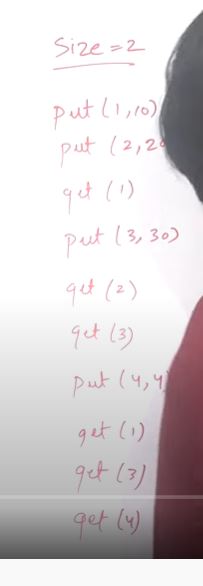
This is least frequently used cache.

![A person writing on a whiteboard

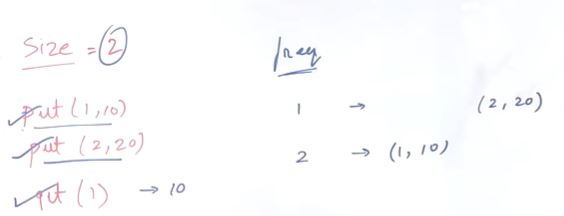
Description automatically 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**Go straight to optimal solution.**

For put 1,10 and 2,20.

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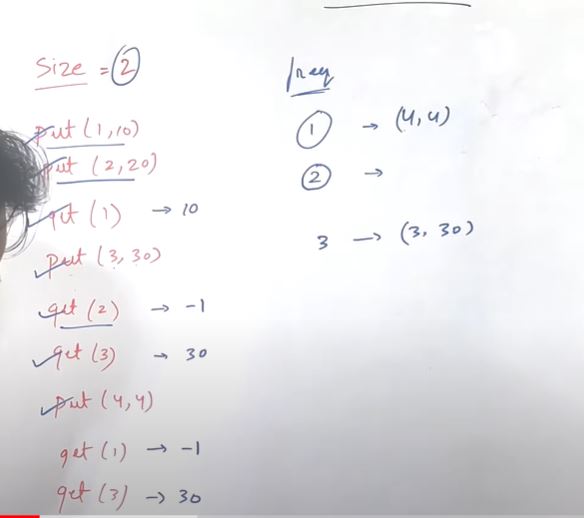
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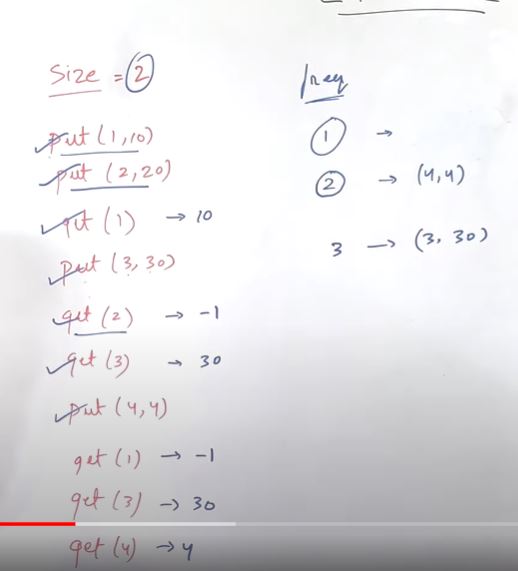
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Earlier used lru like this in dll and tail prev was least recently used.

Almost same logic

![A picture containing text, whiteboard

Description automatically 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Now put 2,20 and 3,30.

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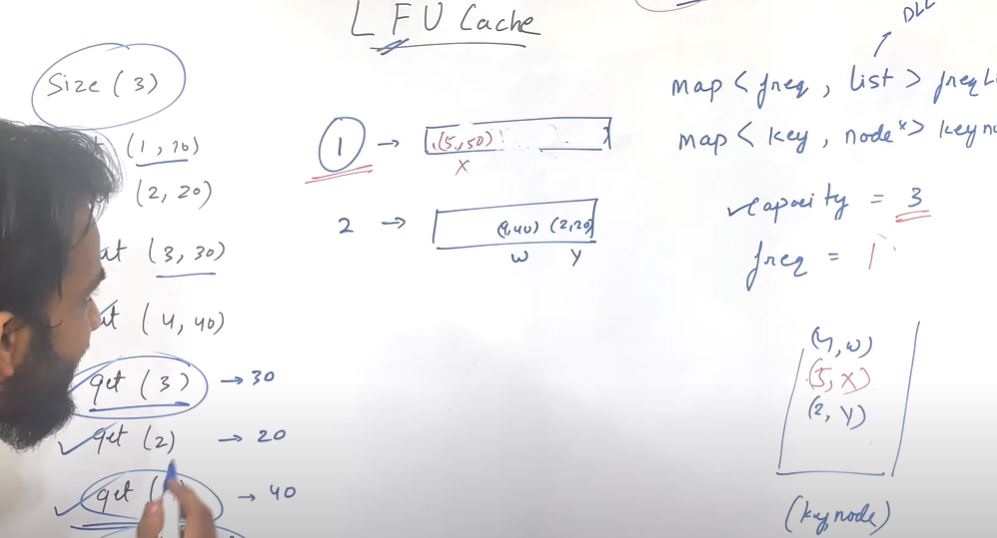
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generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAeAB4AAD/4RDcRXhpZgAATU0AKgAAAAgABAE7AAIAAAAGAAAISodpAAQAAAABAAAIUJydAAEAAAAMAAAQyOocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGFkbWluAAAFkAMAAgAAABQAABCekAQAAgAAABQAABCykpEAAgAAAAMxNgAAkpIAAgAAAAMxNgAA6hwABwAACAwAAAiSAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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eZElnJWJCeXI9KiceV2HGV0T0VBfJcyWMyWEiRXDKRG7jIU+pFcPo41M+Nkt7fWLq/jt1J1CRwBEG7Io9aIw5k3cG7M7+oL5bh7CZbJ1S4KHy2YZAbtXNalr2rXXiKbStB+yQi1VTcXF0eBnsB3qfwrrd7qVxqFnqLQTyWcgUXFuPkkBH86fI0rhzK9iTwdrd1rGmTJqaKl9ZzGC42jALDvXQ1yXhQE+KPEzJ/qjdrjHTdt5rrDSqJKWgRd0LWc2s2y6+mkAO1w0JmYqPlRfc9s1ZvbuKwsprq4bbFChdj7CuLt9BfVNNm1vVtQuNPa7czziFtp8kD5Uz1AxzRFJ7g2d2GB6HNLXnngkwTeIZ7vSrqZNLMZjjiubku875++FPIFd5Ne21vPDDPMkctwxWJGOC59BRKPK7AndE9ICD05qrqhjXSboz+YIxExbyjhsY7e9cF8PbOa2trjXbvVZXstjbIHlL7FHOW9DRGF4tg5Wdj0G8vILCzkuruRYoYl3O7dhXFa54g07xCdIXTJ/N2akgdSpVhwT0NaNr4rstWjs4NRsWiiv0kkj84ArtQ8E/XrXKwIdS8d2WsRqEtry+KwDGNyRrjd+NaU4dWTJnqtFFFYGgUUUUAFFFFABSUtJQIWiiigYUUUUAFFFFAGXrfiLTtAt/N1C4VGIykQ5Z/oK43w/4q06fXbvWdZkkgnlHlQIY2KxRj36ZNd1c6Rp95eJd3dnDNPGNqO65IFWBBCE2iJAvoFGK1jKCja2pLTuLBPHcwJNA4eNxlWHQin0gAVQFAAHQClrIoKRlDqQwDA9QRS0UAIqKihUUKo6ADApaKbLIIoXkf7qKWP4UAeY+ILP8A4Sn4mNpizGNIYNpYfwkDP88VY1zTdduZtFsdantjB9qSNEgz+9xzubPTgdKn0DR7m9hPiWwIF/JdySBXOBLFnG3PbiuvvtMbULvTbpm8trSTzSh5zlcYrsnV5WoroYxje77kGs6tLpupaTaWyo32y48t1PUIB1FVfG9jdX+hxpaW7XQSdHlt06yKDyK1J9JhuNbt9SkZjJbxsiJ2Ge/1q/XMpJNNGtrnnvhe3vdQ8e3d7rEIt5LWBVhtzz5SnoPyqSx1/TtG8Ua3Nrkjx3skwSJShJMQHAWuzt7crf3FxJBGrthVlX7zr6H6VNJb27yCSWKNnHRmUEj8a0dRSeqJ5WkeaazO/wDwjesapff6Nc6uyx21u/DmNenH61bk8L6yvgew02xv4ba28syXcjMc884GO1dhc6bo095Jc3iwSTSJ5ZaVwcL6AHpVDSmh0MvaS6tbT6eo/ciSQeZH/s+4q/au1kieTXUoaP4Z/s3TYLi58QzNZQLvC24WOLHrnqak0WKXxH4kbxBcoVsrcGKwRh971k/GtWbW/Dz25tpLu1aEjBiHKkfSnL4j0tVCws7KBgCKIkD9KzcpSu2tRpRWiNdhuUjOMjGRXJ2XgKO1mcvq988LSGQwowjBJPcjk1srr0D/AOrtbx/pbtSnV5T9zTLxvqmP51K54qyKdmU9T8F6Nq12Lm7gk80KEZo5Su8DpnHWpbhLXwxoTrpNjggYhghXJdz0/wD11YGpXbfd0qf8XUf1pp1DUj93SX/GZB/WneTVnsL3VqV/Cmky6Vo4F5/x+XDma4P+23b8OlblZP27V+2kr+NwtNN7rX/QKT/wIWpabdwTSRR8dN/xJIEkOLaS7iW4P+xnv7dK3ZYllsXjSNJEaMqqN91hjgfSsm7l1S8tZLa70FJoZF2uhuFIIqvpbalpFr9nTTLuaIH5FkuEYxj+6D6VXK7Curmb4f8Ah7DY6wusaiIlu1bdHb2w2xxH+tbVvok9x4ol1fVCreRmOyiU5CL3Y+5p/wDbd8v3tBvP+Asp/rTD4knT/WaFqS/SLNOXPJ6grI1tQhuLixkis7gW8zDCyFN238KxdM8F2Om6TfWXmSSm/B+0SnjcT3AHApx8XRqCX0rUxj/p2NblvMLm2jmCsgkUMFcYI+oqXzRVitGclB8ObRTGbzUby78sbAHYAeX/AHBjoPWp7y3R/HekWlqipFYWzylVGAmeFFdXVWDTra3vri8jj/f3GPMcnOQOg9hR7RvcOVdC1RRRWZQUUUUAFFFBoAM0lFGKBC0UUUDCiiigAooooAKKKKACiiigAooooAKx/Fs00HhW/a3VmkMRUBRk88VsUU4uzuJ6qxwei63raaNa2WjeHpSkMYTzbltik+taqWfi68GbrULOxU/wwxl2H4munorV1Fe6RKjpqznx4Ymmx/aGt38/sjiMfoK0LDRbXTn3wmZ3xjdLKzfzOKvsdqknsM1T0nU4tX09bu3VlRmZcMOQQcVm5NlWSDVtMTVrE2slxPbqSDvgfY351jR+BNNUfvrrUZ/USXbYNS+KNV1LSpbGSzWEWzzpHMX5ZtxxgD+tdDTvKKVg0bMJPBWgJ109ZD6yOzfzNW4fDuj2/wDqtMtV+sQP860qKXNJ9QsiCOytYv8AVW0Kf7sYFZXijVL/AEzSZ5NKtw80cRkMjj5EA/mfatyoruAXVnNbt0lRkP4jFCeuoGbaawR4Tj1a/aMH7P5zlPu9M1H4SuL688OQXWqMWmnLSDIxhSflH5Vxlu93f2en+DJFdZYJiLtiP+WKnK/nXpkcaxRLHGMKoCgegFXOKiiYu4iRBJHcFjv6gngU+iisixMDNLTc/NTqYhKMUGlFIBMUuKKZM7RwO6IZGVSQi9W9qBjsUtcRe+KPE9lp76lc6PaWlooz5c9xiT6Y9faus0u8bUNLtruSFoGmjDmNuq57Vbg0riTRboooqBhRRRQAUUUZoADSUUUCClpKKAFooooGFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFAEN4WWxnKDLCNsAeuK83j1l38D2WkaA7y6tIS8iRH5o8MS270r06oILG0tZHktraKJ5Dl2RAC31rSElHdEyTexyVpLeeLtVsnns5rXT9PxI/nrtMswHQD0FdpRRSlLm2GlYKKKKgYVHPMlvbyTSHCRqWY+wqSsXxWk8+hNaWoYvdSLCSB0Unk/lTW4FDwbavci6168GZ9QcmPI+7EPuiupqK2t0tbWK3iGEiQKo9gKlpylzO4krIKKKKkYwD5qfSClpiQUUUUhhSO2yNmwTtBOB3paKAPG9Q1WXxDqv22/1q3sxbyt5Fi8LOVweCV7mu3stD1q7tY7h/FN2okUMFW3VcD6GumFlaiXzBbQiTOd/ljP51Pit5VbqyRmoWdyK1ieG1jjlmad1XDSMMFj61LRRWBoFFFGaAEooooEFFFFABRRRQAtFFFAwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAQcUtFFABRRSUALRQKKACiiigAooooADSUppKBBRRRTAKKKKACiiikB//2Q==)

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