|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Neptun kód: | **AZXX1Z** |  | Név: | Soós Csaba |
| Beadás verziószáma: | 1. | | | |

## Feladat

A screenshot of a computer

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## [Specifikáció](https://progalap.elte.hu/specifikacio/?data=H4sIAAAAAAAAE42RXU7CQBDHrzLpE02mZLftkrihJpgYYzD4ojxY%2BlBo1QK7GFpNlJDoG1fxHNyEkzgtUEqVxHa785H%2FzP5muzDSl3iUPCajMEtm2pDGRSxBb1arHoLamueZiudpPJnGGSUefN5saqRNBQPdTSREw60unc3Tj1DNJnmYq6IhKS4fJfC2p2H9nYJue5wxVviUVIWjKsnN6jOh8uKMQDYoHO9CRaElWNur4PgJjoOirp5se4KZ5kDf0%2BmNaIglmwkedK%2F766%2Bb26vOXSPximmg3%2Bk1xp5Nx2C9l8UDq97%2BnIjhLXx6%2F3VwXUrVudhESEwDjSxOs9SQ%2FsKIwiyk6wYtwRloUBIEmUq1BJ8S9PicIT9DbmPusAD3aeT7ZVeyJGvtlmXTD4D8i4YSbLLlPVB3G8EJiEmHKiYS8uZx%2BjrNDMmXeATobgFbpwAFcoG2QEegy2gvYSwitgQyFDl7hZJh%2BZY5mxU9cl2uFlV2p8ZOI6P7P3ixhXdOwjN0RRW6ICWUwxTEZNFgZI8HOKAXN3BE7P5B7JDkBHOw%2FAGmP1T9iwMAAA%3D%3D)

*Be*: n∈N, m∈N, homerseklet∈Z[1..n,1..m]

*Ki*: db∈N, sorszamok∈N[1..db]

*Ef*: 1<=n és n<=1000 és 1<=m és m<=1000 és ∀i∈[1..n]:(∀j∈[1..m]:(-50<=homerseklet[i,j] és homerseklet[i,j]<=50))

*Uf*: (db,sorszamok) = KIVÁLOGAT(i=1..n, VAN(j=2..m, homerseklet[i,j-1]-homerseklet[i,j]>=10 vagy homerseklet[i,j]-homerseklet[i,j-1]>=10), i)

## Visszavezetés

KIVÁLOGAT:

db ~ db

y ~ sorszamok

e..u ~ 1..n

T(i) ~ VAN(j=2..m, homerseklet[i,j-1]-homerseklet[i,j]>=10 vagy homerseklet[i,j]-homerseklet[i,j-1]>=10)

f(i) ~ i

VAN:

e..u ~ 2..m

T(i) ~ homerseklet[i,j-1]-homerseklet[i,j]>=10 vagy homerseklet[i,j]-homerseklet[i,j-1]>=10

## [Algoritmus](https://progalap.elte.hu/stuki/?data=H4sIAAAAAAAAE61W3W7aMBh9FeRK1abRKgm0ECYuSru2dKOtmv5AEReO7ZBAsFkSoKXigfYce7HZaWycFrRGm29ijj%2Bfc74fAi8gwKABjH3Drh4aZr1yYB1aNdM2D0AZ%2BGxOojY%2Fp7MwLIOYhAQlBK8RyjCJQeMF3NSvTjr2kyP2KaECymAKI0KT9SU%2FwJhQ0PBgGJMySJ6nhF%2BIyc8ZoYjwC8gPQszvtDHn7oMT5%2BT09qF7y0%2BC42%2FXqGt%2FB4NVeY1LTS1wrak72aKcwIRMeDiPSMhTwiHsNpoG4BrO9b29OGqdKQ0F5DSUr%2BLZjY6ureO2c8NPLozb3mNYqfLt3cJP6JIrikQVuzShyRVJdMGVUweM4iAJGBVUTXN%2Fn3LQZfjZyVy2c5lyB8qkdKC51hxoxflwqUeNpiUkKmdzP74PWkpCATkJrUZFK31%2BdRYOu%2B5jWlPFI%2BU04iIZbarpaDdMvjYnpd%2B%2F4hIlk9Inn01IFJNxSJJ%2BUB7tmYO9N9Bgd8ivmEZpDofPpbeHb6M5QRb%2FeVPnVOV4nippmacCcnlqxS7SudEXU4hM79oOnZoPSkQBOZHLcb3TmqHjrSKUsangU4GST7up8akvSfFZ%2BDG6dOqVq3S4rJ5vOd1lOhZRddk6DTtPSlkBOeUevnjs9sbwr5moQMmn3fw%2FmSiDwr7ikXIacZGpDrzNIy2aH81IK4IU%2BbmZ0zqUUm0IUalzo6r%2B0qjekAITs%2BXdjd1sMGVv1WBK4J9lYhbFSzhh4z52B41mAFZcL%2BbVQQkbRnAimvMCKJyI%2Bx0YiHfsHEYBdEPxkwn4x4ixd2%2Fu2GeL%2B3VYZkOg5wRiEmXQaiD6E3IPIrVXS32w43kGX5xmRzw90UWOIYW5xoHaeemuZlQMmO4QgV69BgavGbYgGg8jNqM4I3Yt1xJh4imJCZIYqSEod166w1VkEEvQiT8J7%2BgQX6kqX5LOsyRGPIy20Wk1fscqVpbzh%2Fg9z7ZfTw2jjmzxn2eHEFLFh3pFVqs%2FGfHrHiYJAAA%3D)

A screen shot of a computer

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