|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | A-Maske | | | | | | |
|  | |  | |  |  |  |
| 1 |  | |  | |  |  |  |
| 2 |  | |  | |  |  |  |
| 3 |  | |  | |  |  |  |
| 4 |  | |  | |  |  |  |
| 5 |  | |  | |  |  |  |
|  |  | | | | | | |
| X-Maske | | | | | | |
| 1 | 2 | | | 3 | 4 | 5 |
| 1 |  |  | | |  |  |  |
| 2 |  | 1 | | |  |  |  |
| 3 |  |  | | | 1 |  |  |
| 4 |  |  | | |  | 1 |  |
| 5 |  |  | | |  |  |  |
|  |  | | | | | | |
| Maske: Summanden | | | | | | |
| 1 | 2 | | 3 | | 4 | 5 |
| 1 | 0 |  | |  | |  |  |
| 2 | 1 | 0 | |  | |  |  |
| 3 | 1 | 2 | | 0 | |  |  |
| 4 | 1 | 3 | | 3 | | 0 |  |
| 5 | 1 | 4 | | 6 | | 4 | 0 |
|  |  | | | | | | |
| Maske: Faktoren | | | | | | |
| 1 | 2 | | 3 | | 4 | 5 |
| 1 | 0 |  | |  | |  |  |
| 2 | 1 | 0 | |  | |  |  |
| 3 | 2 | 1 | | 0 | |  |  |
| 4 | 3 | 2 | | 1 | | 0 |  |
| 5 | 4 | 3 | | 2 | | 1 | 0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Indizierungsmatrizen = f(Diagonale, Element) | | | |
| Diagonale = 1 | Diagonale = 2 | Diagonale = 3 | Diagonale = 4 |
| Xmax = 0 + Diagonale - 1 |  |  |  |  |
| Xmax = 1 + Diagonale - 1 |  |  |  |  |
| Xmax = 2 + Diagonale - 1 |  |  |  |  |
| Xmax = 3 + Diagonale - 1 |  |  |  |  |

Matlab-Code zur Erstellung der Indizierungsmatrizen

clc();

Xmax=3; %Hier einstellen

Diagonale=1; %Hier einstellen

A=[0:Xmax]; %Hier von 0 auf 1 Wechseln, wenn Matlabindezierung

B=perms(A);

C=B(1:end,1:Diagonale);

for(i=1:1:size(C,1))

C(i,:)=sort(C(i,:),'ascend');

end

C=unique(C,'rows');

disp(C);

clearvars -except A B C