```
 (*calculate max matrix*)
hh = nh;
ww = nw;
If[nh < w, hh = w];
If[nw < h, ww = h;]
Print[hh, "\[Times]", ww, " matrix"];
lk = Max[Floor[m/n], Floor[n/m]]
mult = m*m(*Max[n*n,m*m];*)

B = {};
indrs = 0;
indre = h;
indks = 0;
indke = w;
For[i = 0, i < nh, i++;
 row = {};
 tmii = (i - 1)*m;
 tmia = tmii + m;
 For[j = 0, j < nw, j++;
  tt = 0;
  tmji = (j - 1)*m;
  tmja = tmji + m;
  (*indrs=(i-1)*lk;
  indks=(j-1)*lk;
  indre=Min[(i)*(lk+1)+1, h];
  indke=Min[(j)*(lk+1)+1,w];*)
  indrs = Floor[((i - 1) m)/n];
  indks = Floor[((j - 1) m)/n];
  indre = Min[Floor[(i*m)/n] + 2, h];
  indke = Min[Floor[(j*m)/n] + 2, w];

  For[r =(*0*)indrs, r < indre(*h*), r++;
   mitr = Max[(r - 1)*n, tmii];
   matr = Min[r*n, tmia];
   tri = matr - mitr;
   If[tri > 0,
    For[k = indks, k < indke, k++;
     (*tt+=Subscript[t, ri]*Subscript[a, rk]*Subscript[t, kj] *)
     mitk = Max[(k - 1)*n, tmji];
     matk = Min[k*n, tmja];
     tkj = matk - mitk;
     If[tkj > 0, tt += tri*A[[r, k]]*tkj;]
     ];(* end loop src column*)
    ];
   ];(* end loop src row*)
  AppendTo[row, Simplify[tt/(*m*m*)mult]];
  ];(* end loop column*)
 AppendTo[B, row];
 ];(* end loop row*)
```

```
(*Print["B=",MatrixForm[FullSimplify[B]]];*)
Print["A-B=", MatrixForm[FullSimplify[T11.T1.A.T2.T22 - B]]];
```