

*Script_TP01_Application_01

```
X1=[1 2 3 4 5 6 7 8 9 10];
Y1=[15.162 19.173 22.714 28.285 31.716 36.017 39.918 44.029
49.010 53.811];
Y2=[2.051 5.932 11.213 14.874 18.775 23.716 26.577 31.238
34.709 38.041];
% Calcul de Y3,Y4,Y5 et Y6:
Y3=(2/3)*Y2.^3+3*Y1
Y4=1+(((1/4)*Y2.^3)./(2*Y1.^(1/3)+(3/4)))+(3/4)*Y2.^(2/3)
Y5=fliplr(Y3)
Y6=fliplr(Y4)
% Arrondissement de Y1 par défaut:
Y1default=floor(Y1)
% Arrondissement de Y2 par excès:
Y2exces=ceil(Y2)
```

*Commande window

```
>> TP1_Application_01
```

Y3 =

1.0e+04 *

0.0051 0.0197 0.1008 0.2279 0.4507 0.9001 1.2635 2.0454 2.8023 3.6861

Y4 =

1.0e+03 *

0.0026 0.0120 0.0597 0.1257 0.2400 0.4606 0.6264 0.9839 1.3045 1.6675

Y5 =

1.0e+04 *

3.6861 2.8023 2.0454 1.2635 0.9001 0.4507 0.2279 0.1008 0.0197 0.0051

Y6 =

1.0e+03 *

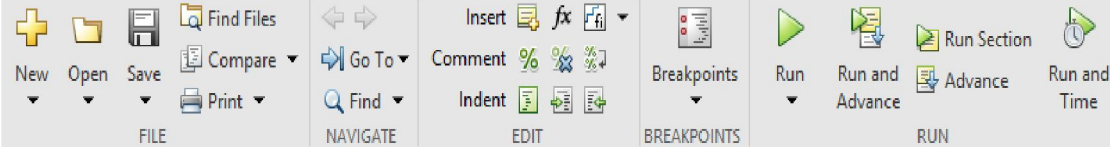
1.6675 1.3045 0.9839 0.6264 0.4606 0.2400 0.1257 0.0597 0.0120 0.0026

Y1default =

15 19 22 28 31 36 39 44 49 53

Y2exces =

3 6 12 15 19 24 27 32 35 39



F:\Abdelhadi\logiciels\Program files\Matlab R2021a\applications\TP1_Application_01.m

Editor - F:\Abdelhadi\logiciels\Program files\Matlab R2021a\applications\TP1_Application_01.m

 Name
 TP1_Application_01.m

```

1 - X1=[1 2 3 4 5 6 7 8 9 10];
2 - Y1=[15.162 19.173 22.714 28.285 31.716 36.017 39.918 44.029 49.010 53.811];
3 - Y2=[2.051 5.932 11.213 14.874 18.775 23.716 26.577 31.238 34.709 38.041];
4 - % Calcul de Y3,Y4,Y5 et Y6:
5 - Y3=(2/3)*Y2.^3+3*Y1
6 - Y4=1+((1/4)*Y2.^3)/(2*Y1.^(1/3)+(3/4)))+(3/4)*Y2.^(2/3)
7 - Y5=flip1r(Y3)
8 - Y6=flip1r(Y4)
9 - % Arrondissement de Y1 par défaut:
10 - Y1defaut=floor(Y1)
11 - % Arrondissement de Y2 par excès:
12 - Y2exces=ceil(Y2)

```

Workspace

Name	Value
ans	4
X1	[1,2,3,4,5,6,7,8,9,10]
Y1	[15.1620,19.1730,22.7...
Y1defaut	[15,19,22,28,31,36,39,...
Y2	[2.0510,5.9320,11.213...
Y2exces	[3,6,12,15,19,24,27,32,...
Y3	[51.2378,196.6783,1.0...
Y4	[2.5891,12.0084,59.70...
Y5	[3.6861e+04,2.8023e+...
Y6	[1.6675e+03,1.3045e+...

Command Window

 New to MATLAB? See resources for [Getting Started](#).

```

>> TP1_Application_01

Y3 =

    1.0e+04 *

    0.0051    0.0197    0.1008    0.2279    0.4507    0.9001    1.2635    2.0454    2.8023    3.6861

Y4 =

    1.0e+03 *

    0.0026    0.0120    0.0597    0.1257    0.2400    0.4606    0.6264    0.9839    1.3045    1.6675

Y5 =

    1.0e+04 *

```

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