

In [21]:

```
import cv2 as cv
import numpy as np
from matplotlib import pyplot as plt

# variable initialisation
img = cv.imread('faces.jpg', 0)
template = cv.imread('template.jpg', 0)
w, h = template.shape[::-1]

res = cv.matchTemplate(img, template, cv.TM_CCOEFF_NORMED)
threshold = 0.49
loc = np.where( res >= threshold)
for pt in zip(*loc[::-1]):
    cv.rectangle(img, pt, (pt[0] + w, pt[1] + h), (0,0,255), 2)

cv.imwrite('res.png', img)
display.Image("./res.png")
```

Out[21]:

