```
INPUT: Molecule m, int numTunnels
OUTPUT: reported tunnels
/* compute first tunnel */
Tunnel t = compute_tunnel(m);
initialBlock(m,t);          B
output (t);  /* report first tunnel */
for (i = 1; i < numTunnels; )
{
    previous = t;
    t = compute_tunnel(m);
    /* match to previous tunnel */
    if  (t.match(previous) > threshold)   C
            mainBlock(m,previous,t);  B
    else /* tunnels different */
    {
        initialBlock(m,t);   B
        output (t);
        i++;
    }
}
```