

# veccat

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This file is part of CasADi.

CasADi -- A symbolic framework for dynamic optimization.  
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## 1 veccat

```
[1]: from casadi import *  
     from numpy import *
```

```
[2]: A = MX.sym("A",2)           # Here a matrix  
     B = MX.sym("B",2,1)         # There a matrix  
     C = MX.sym("C")             # And an other little matrix  
     D = MX.sym("D",Sparsity.lower(4)) # Triangular matrix
```

```
[3]: L = veccat(A,B,C,D)  
     print(L)
```

```
vertcat(A, B, C, vec(D))
```