```
function f=ACDC(t,Y,S)
%global S
% Y(1)=X, Y(2)=Z, f(1)=dx/dt, f(2)=dz/dt
alphax=1.5; betax=5.0;
zx=0.4; xz=1.5;
nzx=2.7; nxz=2.7;
deltaz=1.04;

f(1,1)=(alphax+betax.*S)./(1+S+((Y(2)./zx).^nzx))-Y(1);
f(2,1)=1./(1+((Y(1)./xz).^nxz))-deltaz.*Y(2);
```

```
Not enough input arguments.

Error in ACDC (line 9)
f(1,1)=(alphax+betax.*S)./(1+S+((Y(2)./zx).^nzx))-Y(1);
```

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