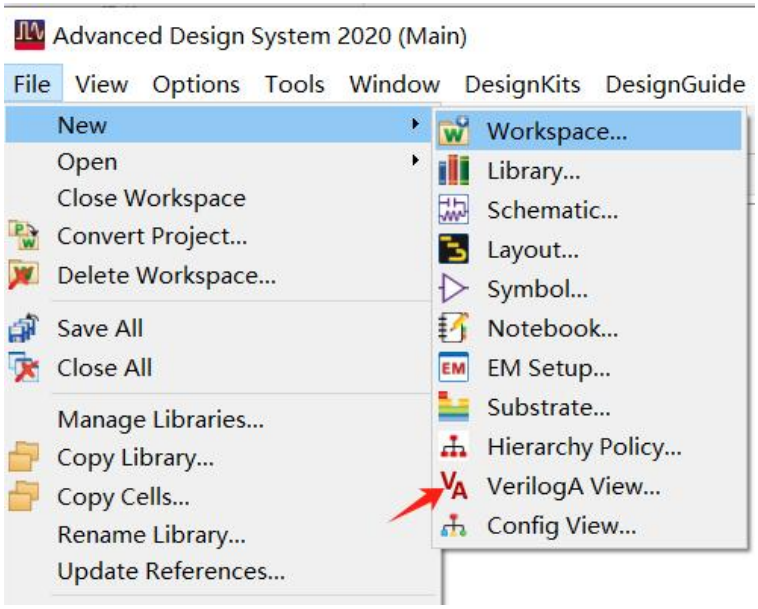
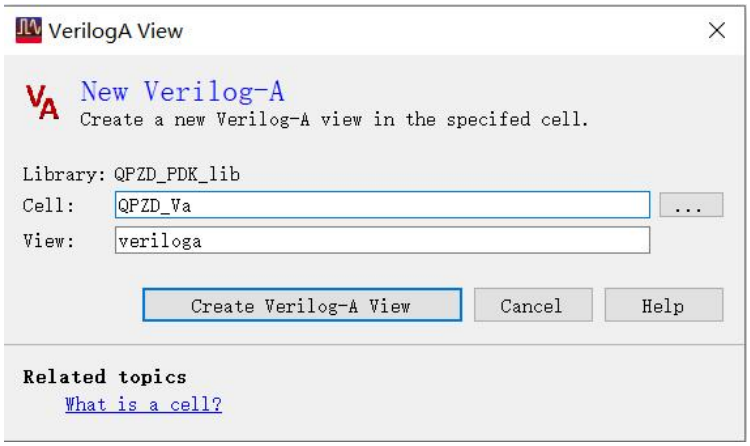
Method of Loading Va File for QPZD Model

1. Create a Va file in the ADS project.





2. Copy the Va code of the QPZD model to a new Va file.

```
/* QPZD Model Version 1.1

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QPZD model is supported by the memebrs of University of Electronic Science and
Technology of China.

*/
`include "discipline.h"
`include "constants.h"

////////// Numerical and Physical Constants //////////
```
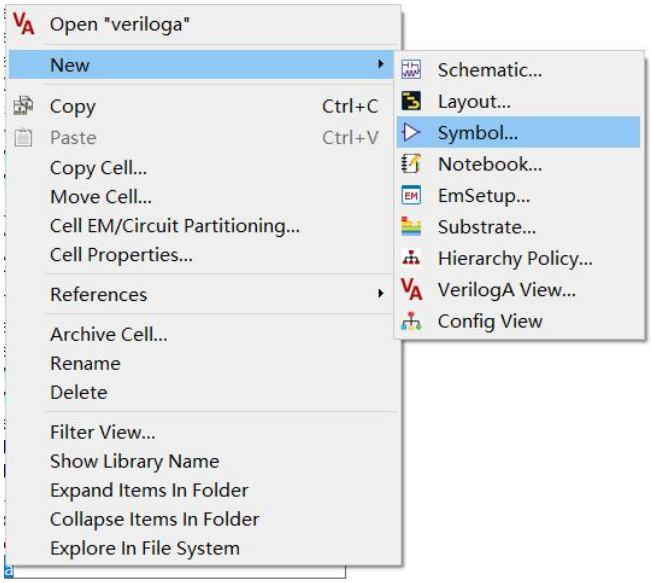
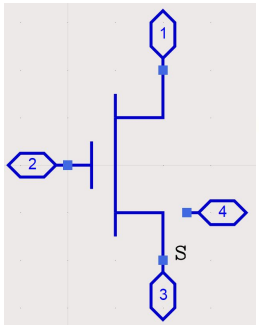

3. Create a corresponding symbol.

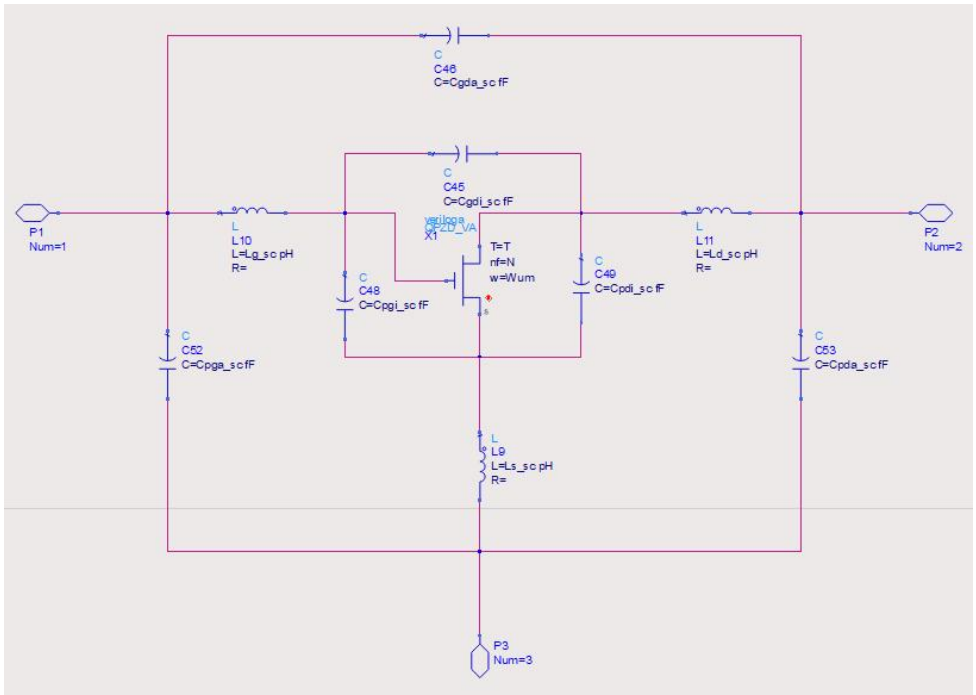





```
module qpzdhemt(d, g, s, dt);
    inout d, g, s, dt;
    electrical d, g, s, y, c, di, gi, si;
    electrical trap1, trap2;
    electrical ia, ib;  // internal nodes to generate noise
    thermal dt;
```

Note: The symbol port name corresponds to the port in the Va file.

4. Create a new symbol containing the intrinsic model with parasitic parameters.



Note: Model Va includes parasitic resistors and only requires external parasitic capacitors and inductors.

5. Model Tuning and Simulation.