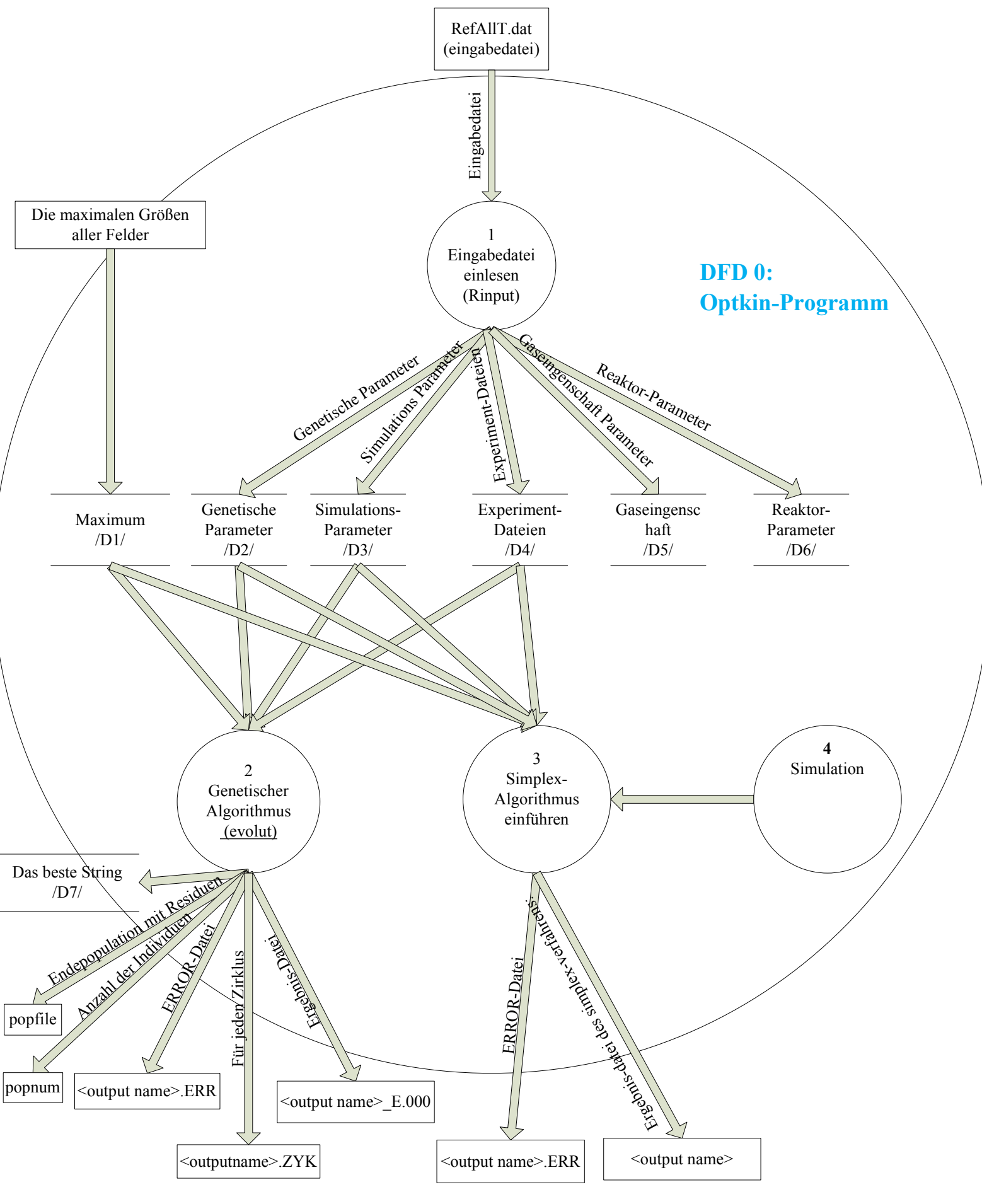


**DFD 0:  
Optkin-Programm**



Die maximalen Größen aller Felder

RefAllT.dat  
(eingabedatei)

Eingabedatei

1  
Eingabedatei einlesen  
(Rinput)

Genetische Parameter

Simulations Parameter

Experiment-Dateien

Gaseingenschaft Parameter

Reaktor-Parameter

Maximum /D1/

Genetische Parameter /D2/

Simulations-Parameter /D3/

Experiment-Dateien /D4/

Gaseingenschaft /D5/

Reaktor-Parameter /D6/

2  
Genetischer Algorithmus (evolüt)

3  
Simplex-Algorithmus einführen

4  
Simulation

Das beste String /D7/

popfile

popnum

<output name>.ERR

<outputname>.ZYK

<output name>.E.000

<output name>.ERR

<output name>

Endepopulation mit Residuen

Anzahl der Individuen

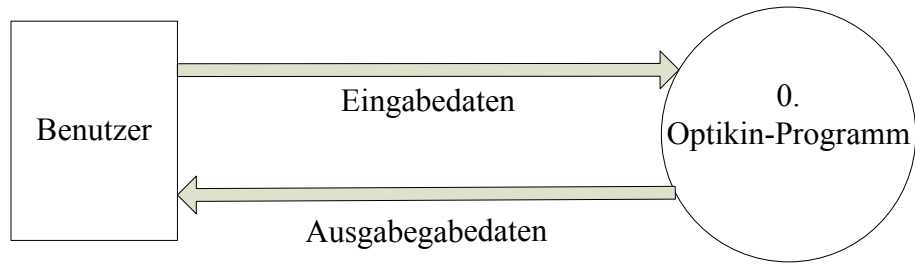
ERROR-Datei

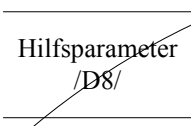
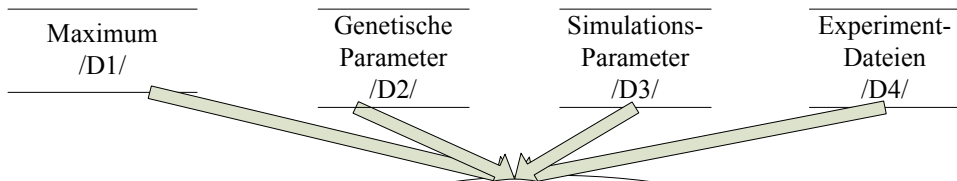
Für jeden Zyklus

Ergebnis-Datei

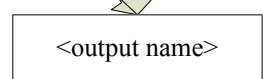
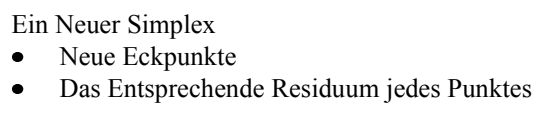
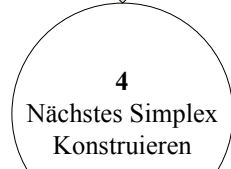
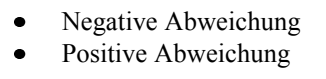
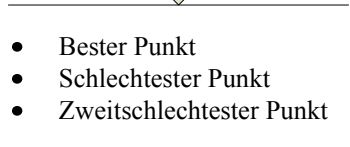
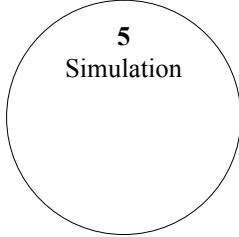
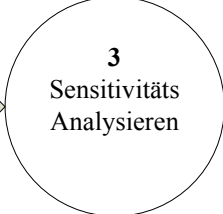
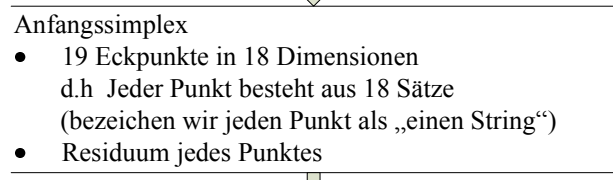
ERROR-Datei

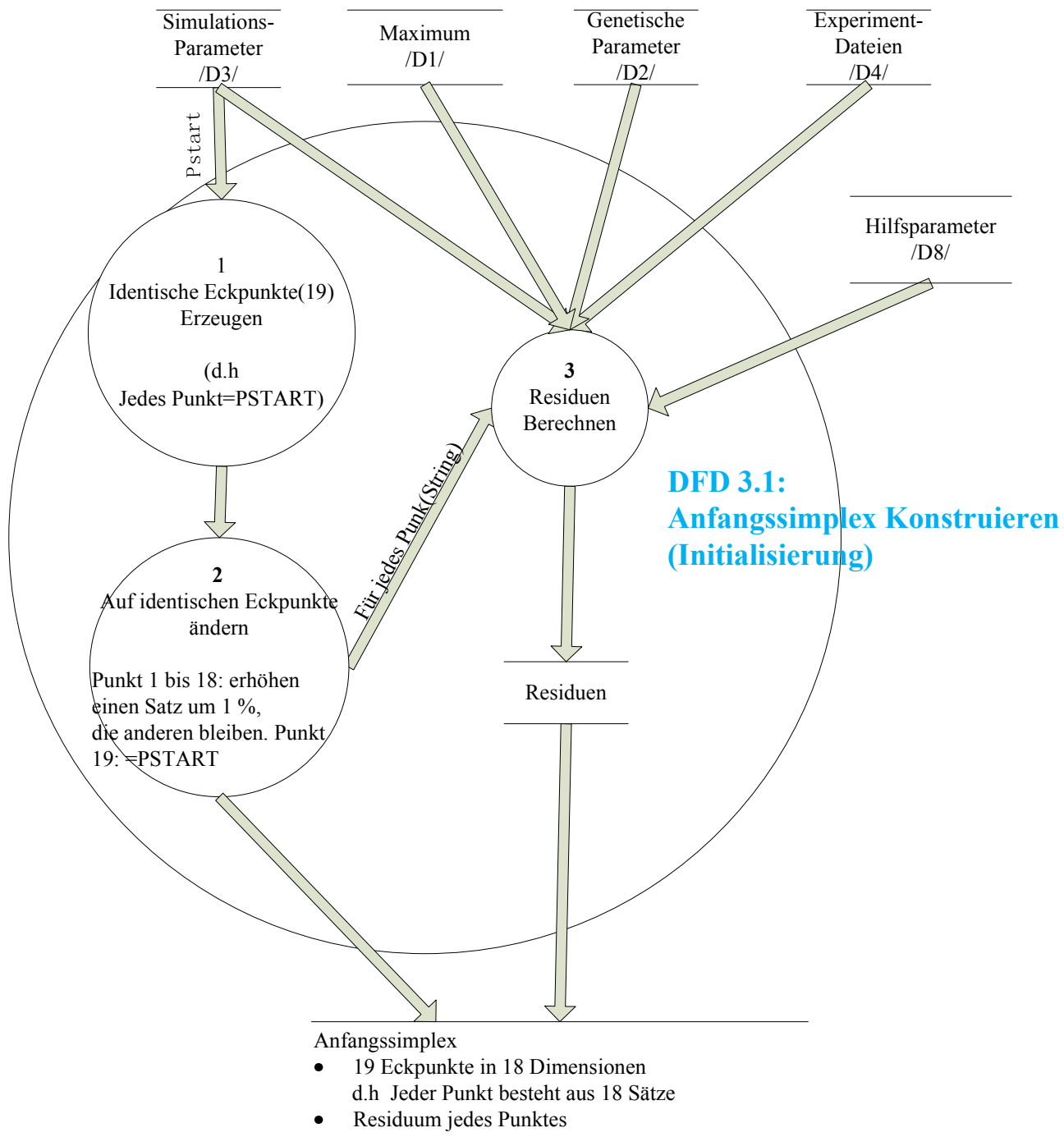
Ergebnis-datei des simplex-verfahrens



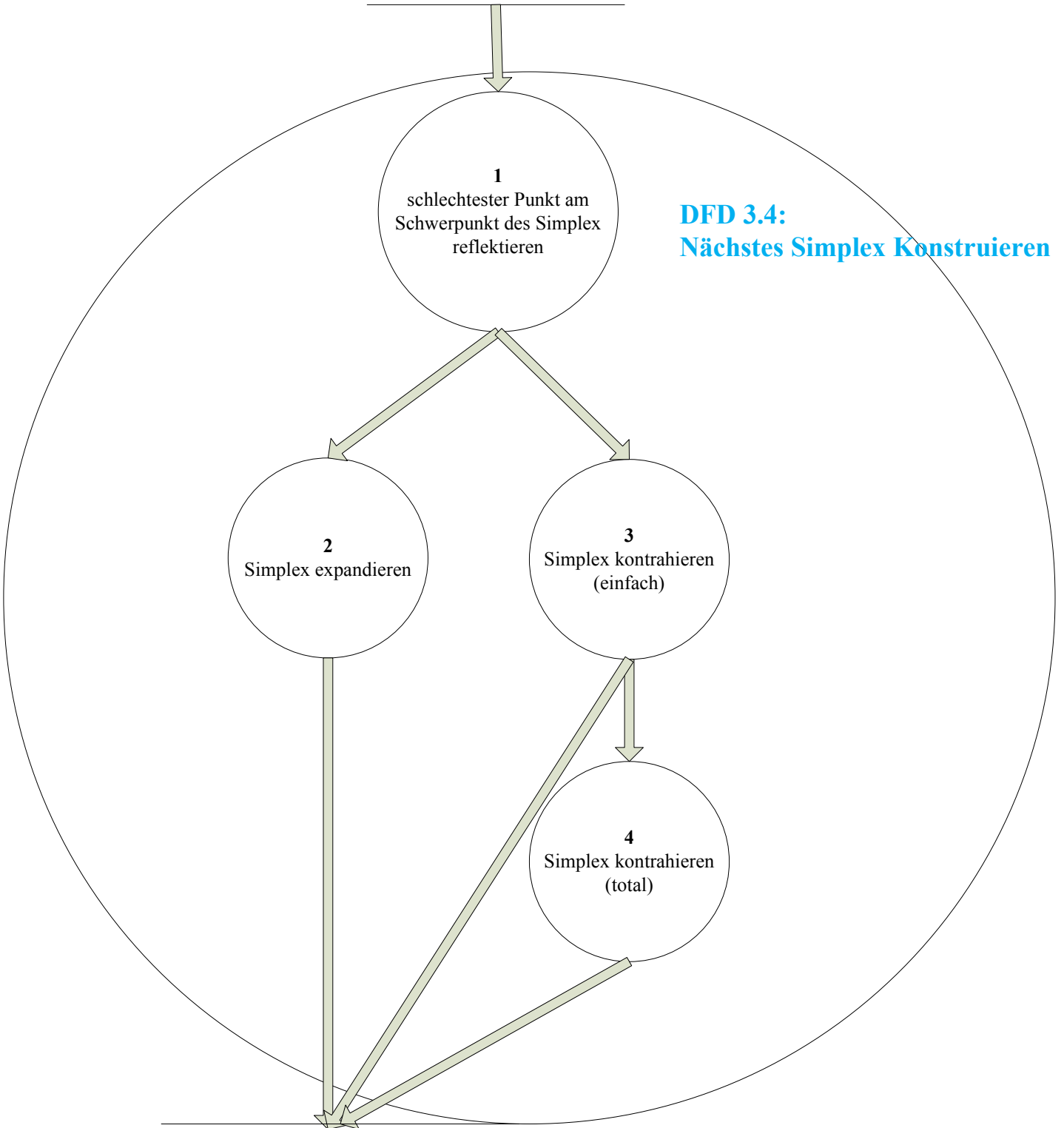


**DFD 3:**  
**Simplex-Algorithmus einführen**





- 
- Bester Punkt
  - Schlechtester Punkt
  - Zweitschlechtester Punkt
- 

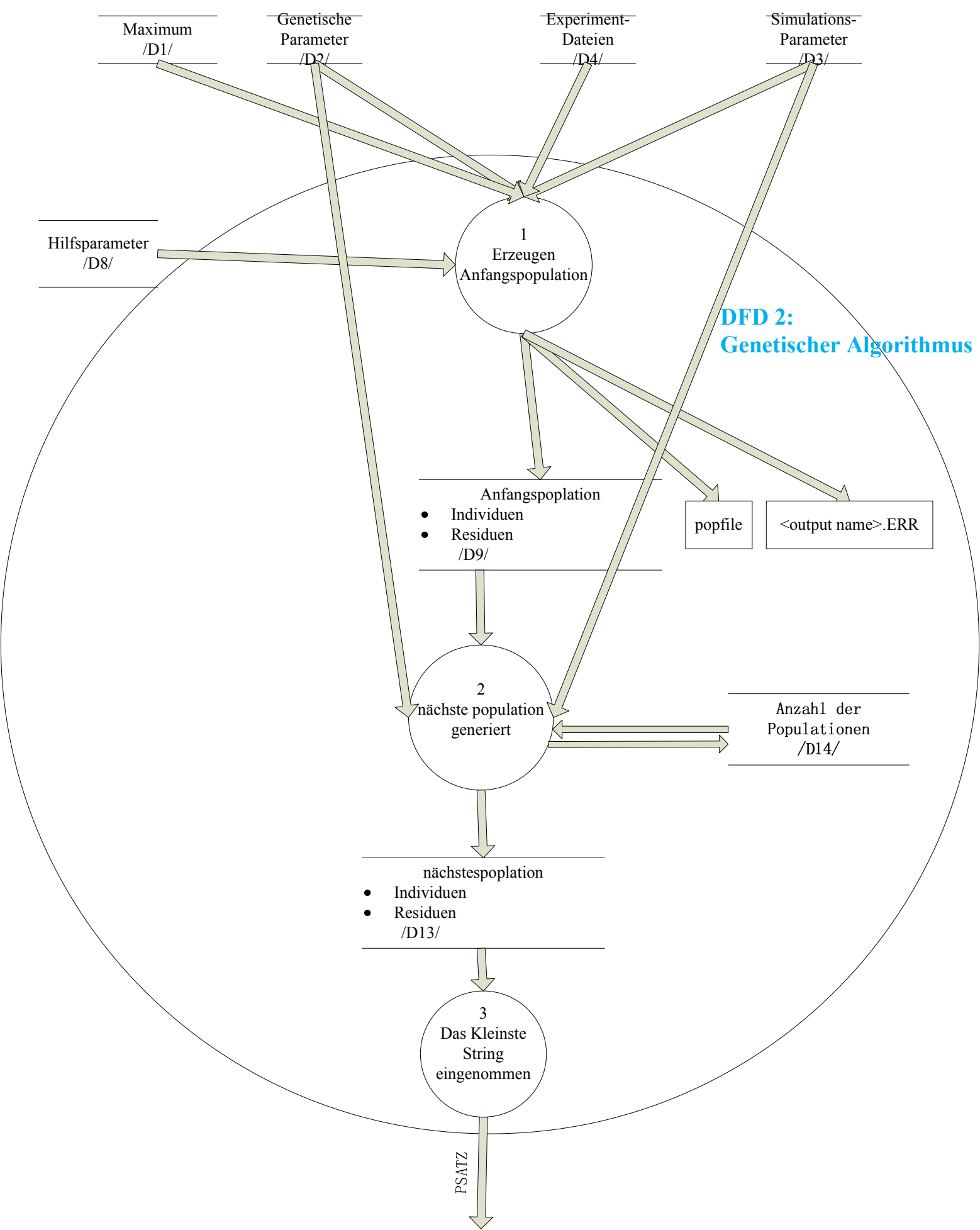


**DFD 3.4:**  
**Nächstes Simplex Konstruieren**

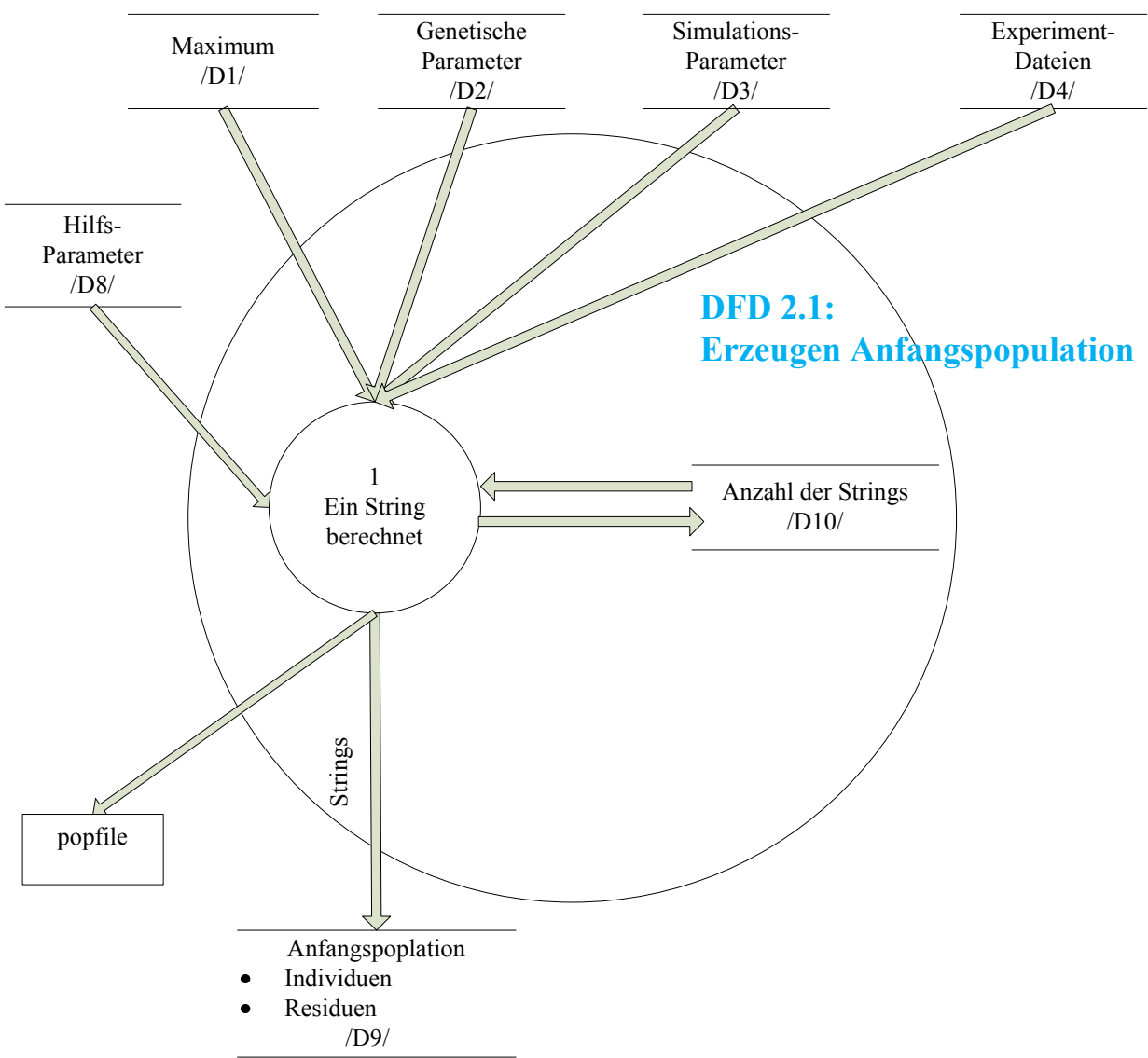
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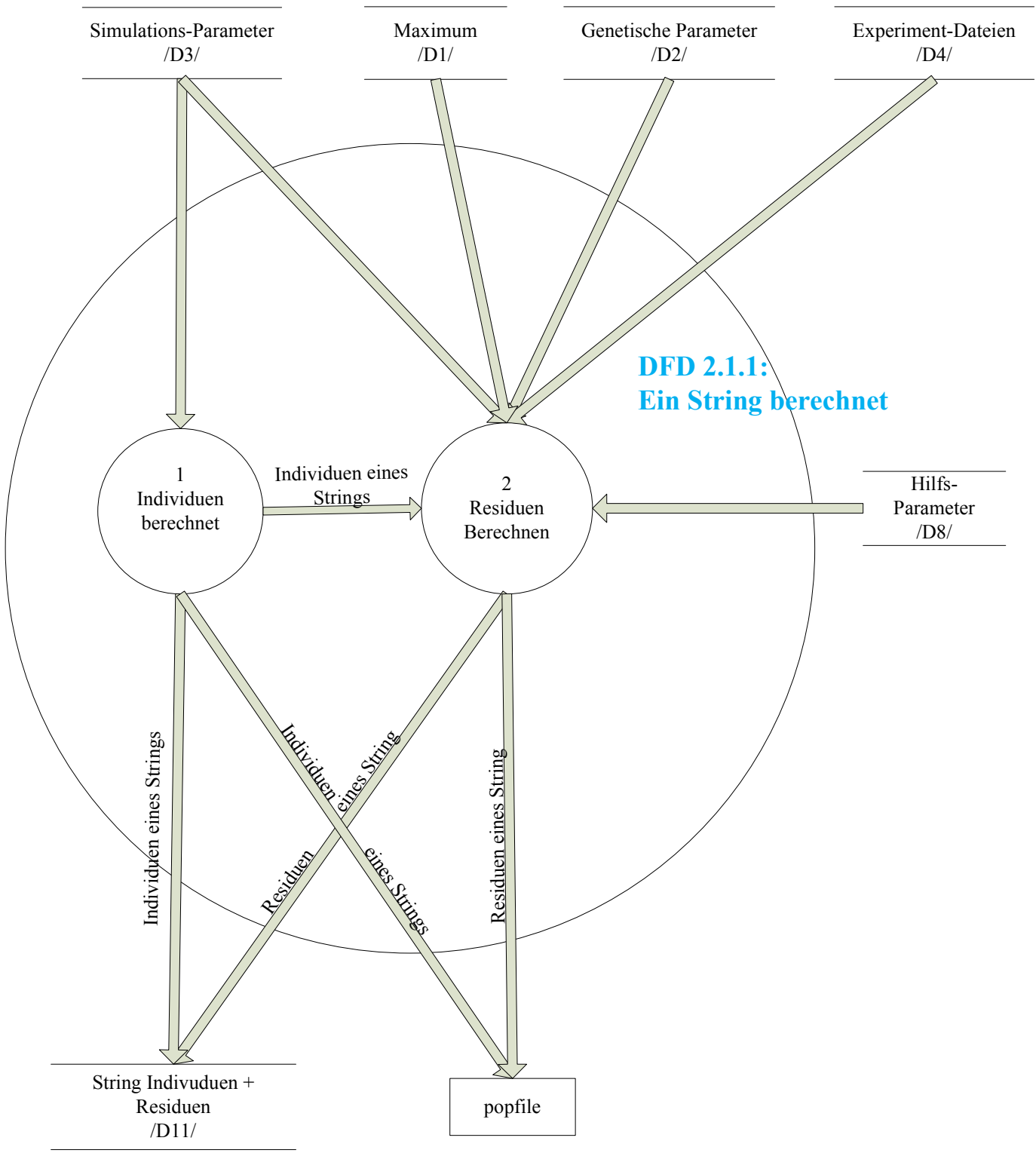
Ein Neues Simplex

- Neue Eckpunkte
  - Entsprechendes Residuum jedes Punkte
-



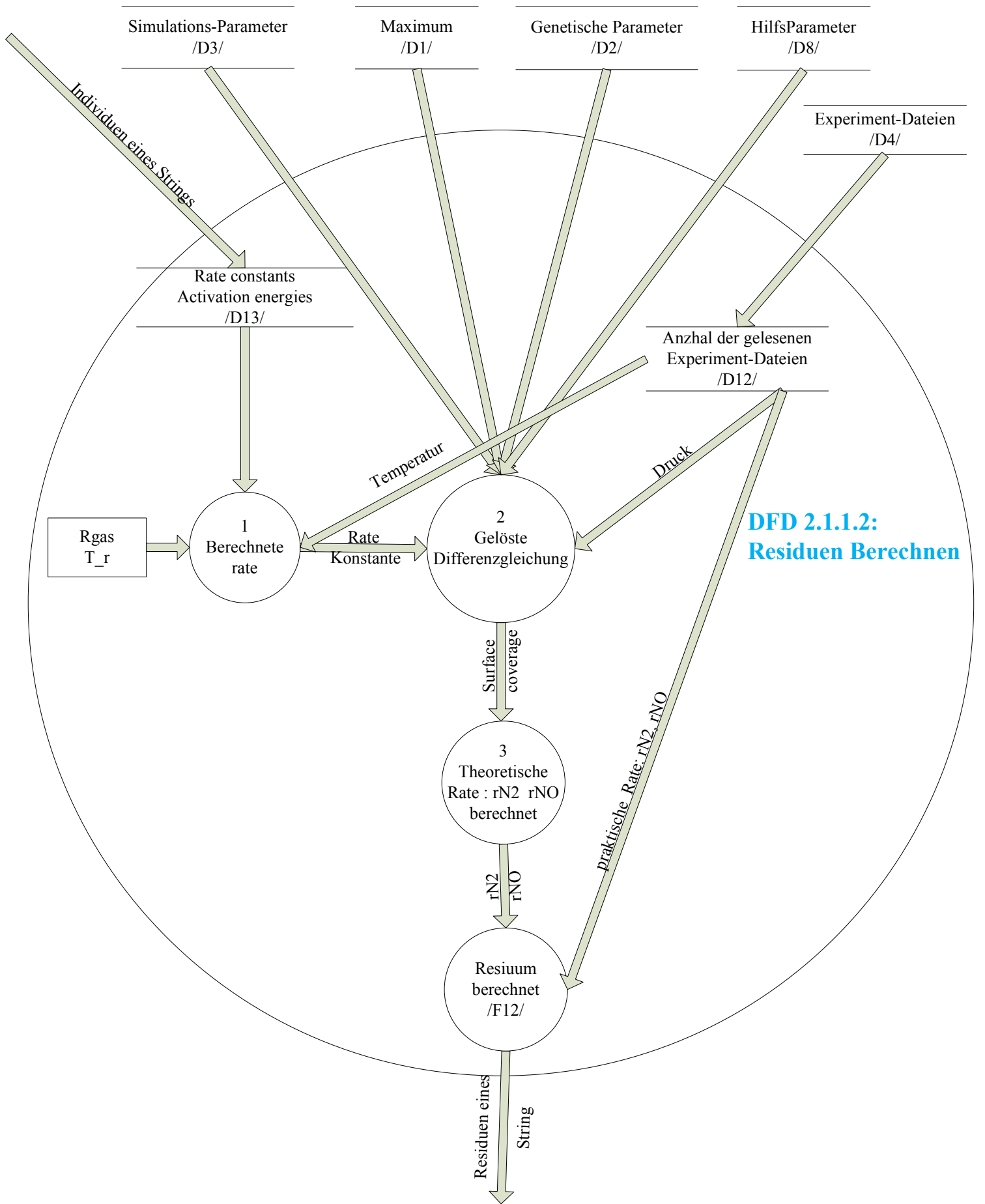
**DFD 2:**  
**Genetischer Algorithmus**



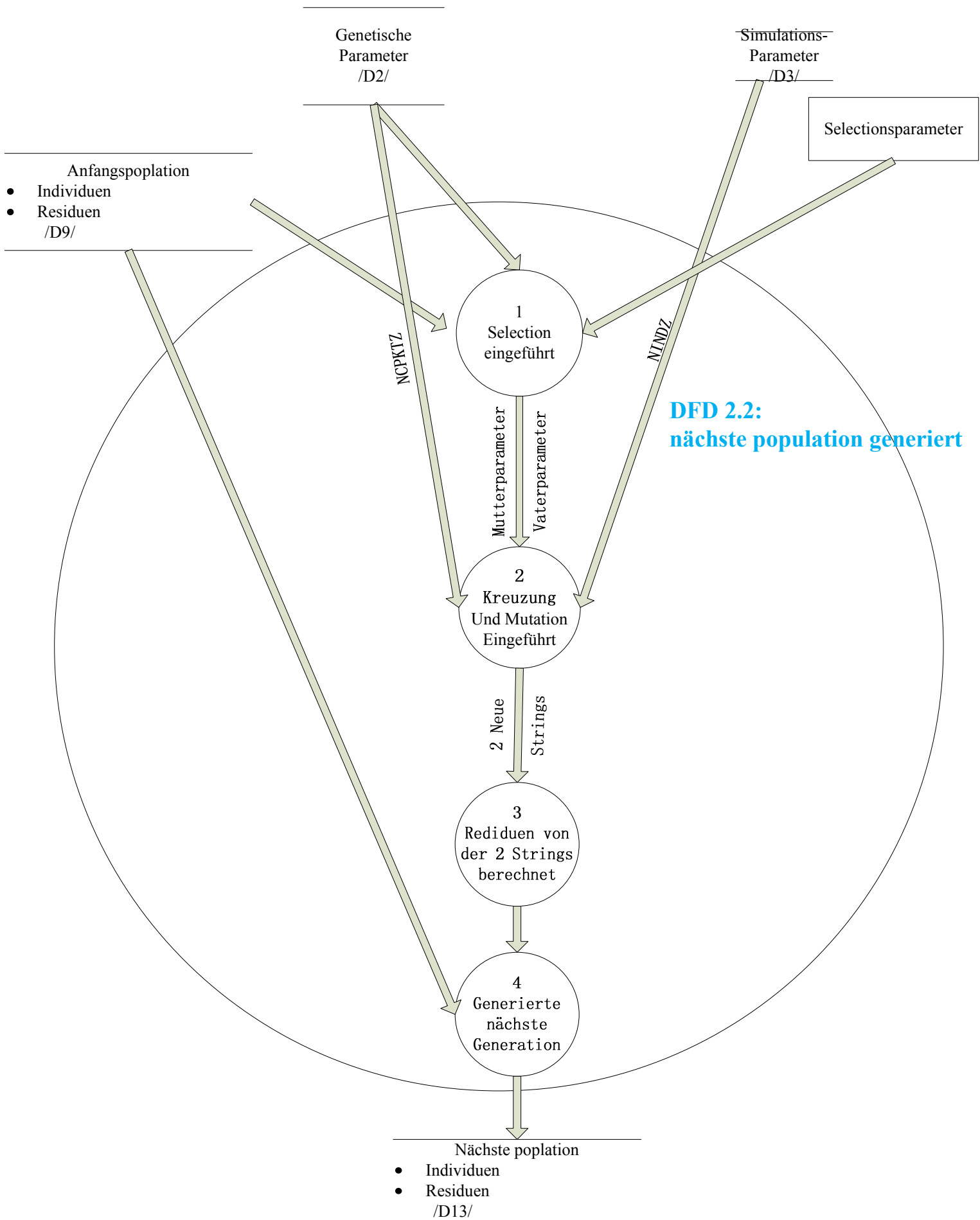


**DFD 2.1.1:  
Ein String berechnet**





**DFD 2.1.1.2:  
Residuen Berechnen**



**DFD 2.2:**  
nächste population generiert