

-	omplexity Theory: Optimiz, SW2	
>	Runline depends on the SEE of the ptoblem	
	Best Complexity is a linear growth of the runtime	
	Site of the ptoblem is somehow the number of bits for the	
	parameters	
	To make it HW/SW independent, we focus on elementar	
	operations in the code (e.g. orddition, substraction, etc.)
>	Ga for the most difficult instance of a given size n > wo	r1 Ca8
>	Big 0 - Notation \Rightarrow $O(g(n))$, Big 0 of g.	
>	Man sagt, dass ein Algorithmus gut ist, wenn er polynon	ial
	ist. Good => Polynomal Bad => Exponential	
	Good => folymonal Ead => Exponential	
>	Good => folymonal Ead => Exponential	
>	Good => Polynomal Bad => Exponential Good Problem: Somebody found a polynomial algorithm Bad Problem: No polynomial algorithm is known	
>	Good => folymonal Ead => Exponential	
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Optimiz Optimiz		SW2
Malhematical Mod	210	
2 Descriptive Mode	45	
Also called Evo	eluation Models or "What if" H	lodels.
	Parameters Calculation of Consequences	
@ Optimization Ms	odel	
What's best?		
	Parameter	
Variable —	Calculation of - O Consequences	unces