



Check your results in computing mathematics with this machine

NUMBER SYSTEM CONVERSIONS NUMBER SYSTEM OUTPUTS COMBINATORICS

TRUTH TABLES

RANDOM VALUES

NUMBER SYSTEM CONVERSIONS

Convert 4 numeral systems: OCT, HEX, DEC, BIN

NUMBER SYSTEM OUTPUTS

Print table of decimals 0-50 in BIN, OCT and HEX systems

COMBINATORICS

Calculate either combinations or permutations

TRUTH TABLES

Basic truth table symbol character codes

RANDOM VALUES

Test random number distributions

One more line: Email address: t7trle00@stu dents.oamk.fi

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		Math Machin	e 		
Get Element By Id to have proper calculation	O Decimal to Binary O Decimal to Hexa O Decimal to Octal O Binary to Decimal Binary to Hexa O Binary to Octal O Binary to Octal O Hexa to Decimal	MATH MAC Sk your results in computing mathe NUMBER SYSTEM OUTPUTS NUMBER SYSTEM CONV Input a number Output number	COMBINATORICS	TRUTH TABLES	RANDOM VALUES
	 Hexa to Binary Hexa to Octal Octal to Decimal Octal to Binary Octal to Hexa 				
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RANDOM VALUES NUMBER SYSTEM CONVERSIONS NUMBER SYSTEM OUTPUTS COMBINATORICS TRUTH TABLES

NUMBER SYSTEM OUTPUTS

In this section, you will see a table of 0 - 50 (decimal) in different numeral systems. Click Print table button to enable table and Clear table button to disable table

Print table

Clear table





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NUMBER SYSTEM CONVERSIONS NUMBER SYSTEM OUTPUTS COMBINATORICS TRUTH TABLES RANDOM VALUES

NUMBER SYSTEM OUTPUTS

In this section, you will see a table of 0 - 50 (decimal) in different numeral systems. Click Print table button to enable table and Clear table button to disable table

Print table

Clear table

Decimal	Binary	Octal	Hexa
1			
2			
3			
4			
5			
6			

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NUMBER SYSTEM CONVERSIONS	NUMBER SYSTEM OUTPU	TS COMBINATORICS	TRUTH TABLES	RANDOM VALUES
	COMBINATO	RICS		
_	give you result for your calc			
	Input your numb	er		
	Total element n:			
N	umber of factors k:			
	Choose type of calcu	lation		
0	COMBINATION	PERMUTATION		
	Execute			
	YOUR RESULT:			
	Copyright by The	no Tran		-

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	MATH MACHINE Check your results in computing mathematics with this machine	
NUMBE	ER SYSTEM CONVERSIONS NUMBER SYSTEM OUTPUTS COMBINATORICS TRUTH TABLES	RANDOM VALUES
	COMBINATORICS	
	In here, the machines give you result for your calculation of combinations and permutations. Select either combincations or permutations and start executing your problem	
	Input your number Total element n: Number of factors k: Choose type of calculation	
	OCOMBINATION OPERMUTATION	
	Execute	
	YOUR RESULT:	
	Copyright by Thao Tran	- //





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NUMBER SYSTEM CONVERSIONS

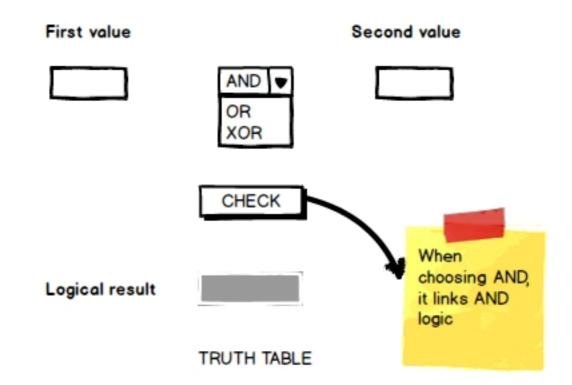
NUMBER SYSTEM OUTPUTS

COMBINATORICS

TRUTH TABLES

RANDOM VALUES

TRUTH TABLES







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NUMBER SYSTEM CONVERSIONS

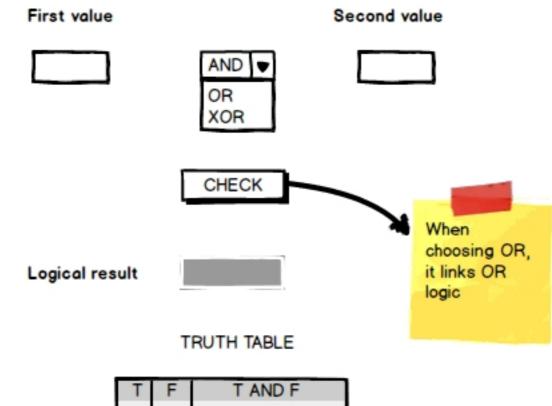
NUMBER SYSTEM OUTPUTS

COMBINATORICS

TRUTH TABLES

RANDOM VALUES

TRUTH TABLES



Т	F	T AND F
Т	Т	Т
Т	F	F
F	T	F
F	F	F





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NUMBER SYSTEM CONVERSIONS

NUMBER SYSTEM OUTPUTS COMBINATORICS

TRUTH TABLES

RANDOM VALUES

RANDOM VALUES

In here, the machine gives you Chi-squared test for random distribution The test is based on hypothesis H0: Distribution is fair, H1: Distribution is unfair H0 is accepted when P_value < 0.01, Chi-squared statistic < Critical value A range number from [1,10] is provided for randomness, Critical value under p_value < 0.01 is 21.67

Range number

Number	1	2	3	4	5	6	7	8	q	10
Emperical occurrences	0	0	0	0	0	0	0	0	0	0
Expected occurrences					(0				

Random number:

Population:

Chi-squared statistic for the distribution:





Check your results in computing mathematics with this machine

NUMBER SYSTEM CONVERSIONS

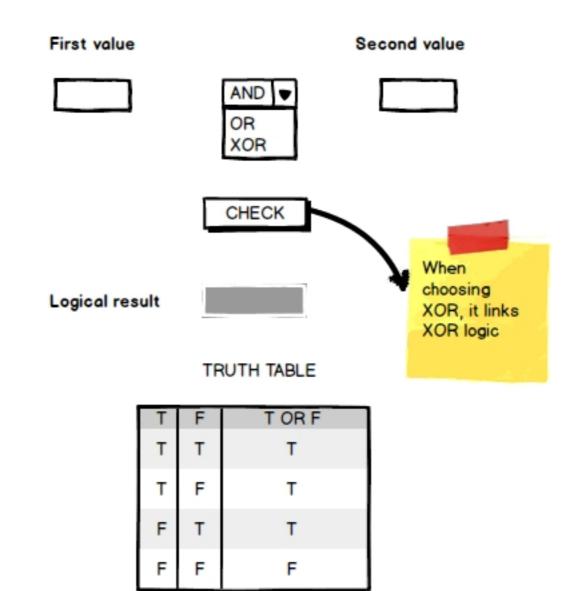
NUMBER SYSTEM OUTPUTS

COMBINATORICS

TRUTH TABLES

RANDOM VALUES

TRUTH TABLES







Check your results in computing mathematics with this machine

NUMBER SYSTEM CONVERSIONS

NUMBER SYSTEM OUTPUTS

COMBINATORICS

TRUTH TABLES

RANDOM VALUES

TRUTH TABLES

First value		Second value
	AND ▼ OR XOR	
	CHECK	
Logical result		

TRUTH TABLE

Т	F	T XOR F
Т	Т	F
Т	F	Т
F	T	Т
F	F	F