

S> NP VP	0.9
S> VP	0.1
VP> V NP	0.5
VP> V	0.1
VP> V IN	0.3
VP> V PP	0.1
NP> NP NP	0.1
NP> NP PP	0.2
NP> N	0.7
DD > D ND	
PP> P NP	1
IN> NP PP	1

P> with	1
V> Tanks	0.3
V> Fish	0.6
V> People	0.1
N> rods	0.1
N> Tanks	0.2
N> Fish	0.2
N> People	0.5

## Sentence

FISH PEOPLE FISH TANKS

	FISH	PEOPLE	FISH	TANKS
FISH	N > fish (0.2) V > fish (0.6) NP > N (0.7×0.2=0.14) VP > V (0.6×0.1=0.06) S> VP (0.06×0.1=0.006)	VP > V NP (0.6 × 0.35 × 0.5 = 0.105)" NP > NP NP (0.14 × 0.35 × 0.1 = 0.0049) S > NP VP NS > VP (0.0105)" (0.14 × 0.01 × 0.9 = 0.00126)	VP→V NP  Max (0.6×0.0049×0.5)  = 0.00147  NP→NP NP  (0.0049×0.14×0.1)  = 0.0000686  S→NP VP  (0.9×0.14×0.007=0.000 2646	
PEOPLE	*	N → people (0.5) V → people (0.1) NP → N (0.5×0.7=0.35) VP → V (0.1×0.1=0.01) S → VP (0.1×0.1=0.001)	VP -> V NP (D.1 x 0.14 x 0.5 = 0.007) NP -> NP NP (0.35 x 0.14 x 0.1 = 0.0049 S-> NP VP 15 -> VP (0.0007 (0.35 x 0.06 x 0.9 = 0.0189)	
FISH	*	*	Copy $N \to fish (0.2)$ $V \to fish (0.6)$ $NP \to N (0.14)$ $VP \to V (0.06)$ $S \to VP (0.006)$	VP → V NP (0.6 × 0.14 × 0.5 = 0.042) NP → NP NP (0.14 × 0.14 × 0.1 = 0.0019 S→ NP VP // S→ VP (0.004 (0.14 × 0.03 × 0.9 = 0.002)
TANKS	*	*	*	N→ tanks (0.2) V→ tanks (0.3) NP→ N (0.2×0.7=0.14) VP→ V (0.3×0-1=0.03) S→ VP {0.03×0.1=0.003}

-	FISH	PEOPLE	FISH	TANKS
FISH	N->fish (0.2) V-> fish (0.6) NP -> N (0.7×0.2=0.14) VP -> V (0.6×0.1=0.006) S-> VP (0.06×0.1=0.006)	VP -> V NP (0.6 × 0.35 × 0.5 = 0.105) NP -> NP NP (0.14 × 0.35 × 0.1 = 0.0049) S-> NP VP NS -> VP (0.0105) (0.14 × 0.01 × 0.9 = 0.00126)	VP -> V NP  MAX (0.6 X 0.0049 X 0.5)  = 0.00147  NP -> NP NP  (0.0049 X 0.14 X 0.1)  = 0.0000686  S -> NP VP  (0.9 X 0.14 X 0.007 = 0.000	
PEOPLE	*	N → people (0.5) V → people (0.1) NP → N (0.5×0.7=0.35) VP → V (0.1×0.1=0.01) S → VP (0.1×0.1=0.001)	VP -> Y NP (D.1 × 0.14 × 0.5 = 0.007)* NP -> NP NP (D.35 × 0.14 × 0.1 = 0.0049) S>NP VP 15 -> VP (0.0007) (D.35 × 0.06 × 0.9 =	VP -> V NP (0.1×0.00196×0.5 =0.000098) NP -> NP NP (0.35×0.00196×0.1 =0.0000686) S-> NP VP
PISIP	*	*	Copy $N \rightarrow fish (0.2)$ $V \rightarrow fish (0.6)$ $NP \rightarrow N (0.14)$ $VP \rightarrow V (0.06)$	(0.35×0.042×0.9=0.00013 VP -> V NP (0.6 × 0.14 × 0.5=0.042) NP -> NP NP (0.14×0.14×0.1=0.00195) S-> NP NP//S-> VP (0.0042) (0.14×0.03×0.9=0.0037)
TANKS	*	*	*	N-> tanks (0.2) V-> tanks (0.3) NP-> N (0.2×0.7=0.14) VP-> V (0.3×0.1=0.03) S-> VP (0.03×0.1=0.003)

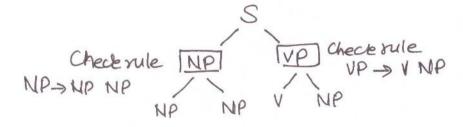
	(ARS	T TREE)
NP (1,2)	VP (3,4)	

Selected cells for  $S \rightarrow NP \ VP \ (1,2) \ (3,4)$ 

	F-1-1	The state of the s		
	FISH	PEOPLE 2	FISH 3	
FISH N	N=fish (0.2) V= fish (0.6) $VP \rightarrow N$ (0.7×0.2=0.14) $P \rightarrow V$ (0.6×0.1=0.06) $P \rightarrow VP$ (0.06×0.1=0.006)	VP -> V NP (0.6 × 0.35 × 0.5 = 0.105) NP -> NP NP (0.14 × 0.35 × 0.1 = 0.0049)  \$ -> NP VP 115 -> VP (0.0105) (0.14 × 0.01 × 0.9 = 0.00126)	VP→V NP Max (0.6×0.0049×0.5) = 0.00147 NP→NP NP (0.0049×0.14×0.1) = 0.0000686 S→NP VP	(0.6×0.000068 6×0.5 = 0.00002058) NP→NP NP (0.14×0.0000686×0.1= (0.00049×0.00196×0.1= (0.0000686×0.14×0.1=)
PEOPLE 2	*	N → people (0.5) V → people (0.1) NP → N (0.5×0.7=0.35) NP → V (0.1×0.1=0.01)	(0.9×0.14×0.007=0.000 VP -> V NP (D.1×0.14×0.5=0.007)* NP -> NP NP (0.35×0.14×0.1=0.0049) S>NP VP 15 -> VP (0.0007) (0.35×0.06×0.9=	VP -> V NP (0.14×0.000048×0.9)* VP -> V NP (0.0049 × 0.000098) NP -> NP NP (0.35×0.00196×0.1 × =0.0000686) S-> NP VP
FISH 3	*	*	NP → N (0.(4) VP → V (0.06)	$(0.35 \times 0.042 \times 0.9 = 0.0001323)$ $(0.0000686)$ $VP \rightarrow V NP$ $(0.0000686)$ $VP \rightarrow V NP$ $(0.0000686)$ $(0.0000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$ $(0.00000686)$
TANKS 4	*	*	*	(0.14×0.03×0.9=0.00378) N= tanks (0.2) N= tanks (0.3) NP= N (0.2×0.7=0.14) NP=> V (0.3×0.1=0.003) N=> VP (0.03×0.1=0.003)

## SECOND TREE





## THIRD TREE

