

Task 1

1.) CLEAR to clear your workspace
2.) SAVE your workspace with a workspace ID like **tasks6_your_name.dws**

Task 2

Eliminate the inline assignment by rewriting the following single-line dfns as a multi-line dfn:

$\text{Bayes} \leftarrow \{\text{prod} \div + / \text{prod} \leftarrow \alpha \times \omega\}$

Task 3

Make this dfn into the equivalent tradfn:

```
OR ← {  a Probabilistic OR
        p ← 1 - α
        q ← 1 - ω
        1 - p × q
    }
```

Task 4

Create the following tradfn:

```
r ← Anagram b ; Norm  
r ← (Norm a) ≡ (Norm b)
```

Create the following dfn:

```
Norm ← { ω [ Δ ω ] ~ ' ' }
```

The Anagram function has two bugs preventing it from working. Fix them so the following expressions work:

```
'ELEVEN PLUS TWO' Anagram 'TWELVE PLUS ONE'
```

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```
'ELEVEN PLUS TWO' Anagram 'TEN PLUS THREE'
```

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Task 5

The Fibonacci sequence is formed as follows:

$$F(0) = 0,$$

$$F(1) = 1$$

$$F(n) = F(n - 1) + F(n - 2)$$

Define F.

F[10]

1 1 2 3 5 8 13 21 34 55

Task 6

Don't worry about how it works for now, but execute the following:

```
FXA
```

This creates a function named A which has 26 lines.

Create the function `SetStopsA` which should take a list of line numbers as argument, and set stops on those lines for the function A. Your function should not return a result.

```
SetStopsA 3 1 4 15
STOP 'A'
1 3 4 15
```

Task 7

Create the function `clearStopsA` which should not take any arguments, nor return a result. However, it should clear all the stop bits from the function A.

```
clearStopsA  
ρ□STOP 'A'
```

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Submit Your Workspace

Save your workspace, with a name like:

tasks6_your_name.dws

Email to workshops@dyalog.com with a subject like:

Tasks 6 Your Name