G-S Algorithm

procedure GALE-SHAPLEY(E, A)
    Init all e and a as free
    while $\exists e$ s.t. e free $\wedge$ $\exists a$ on its $P(e)$ list **do**
        choose $e \in E$
        while e has open slots **do**
            make offer to next applicant $a \in A$ on e's preference list
            if a is unmatched **then**
                Match e with a
            else if a prefers e to their current employer e' **then**
                Unmatch a and e'
                Match e with a
            end if
            cross a off e's preference list
        end while
    end while
    report the set of matched pairs as the final matching
end procedure

Subsection

This is a subsection

Subsubsection

This is a subsubsection

Left Right

Table Example

Header 1	Header 2	Header 3
Row 1, Col 1	Row 1, Col 2	Row 1, Col 3
Row 2, Col 1	Row 2, Col 2	Row 2, Col 3
Row 3, Col 1	Row 3, Col 2	Row 3, Col 3

Boxed Equation

$$\boxed{E = mc^2}$$

Input

lol

Image