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'Reference Function for solving Implied Share Price (DCF) in worksheet section 4 (for further reference see

'Section 5).

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'The required parameters are: number of option/warrant tranches, array of the option/warrant

'tranches with the first column as number of shares and the second column as exercise price,

'number of convertible security tranches, array of convertible security tranches with the

'first column as the tranche size and the second column as the conversion price, basic share

'outstanding, and the implied equity value.

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'Calculation Process:

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'1. Calculate the total additional shares if all in the money options are exercised.

'2. Calculate the total share repurchase based on exercised in the money options.

'3. Calculate the number of additional share result from conversion or convertible securities

'4. Total shares after dilution = basic shares outstanding + additional shares from option

'exercising + additional shares from convertible security conversion.

'Remeber: Implied share price = (Implied equity value)/(Total share after dilution)

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'Choice of Optimization Method:

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'Upon testing, Muller 's method should be viable with an error term of 10^-3, which is

'sufficient when calculating share price as the result is accurate at the cent level

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