There must not be an image candidate string for an element that has the same width descriptor value as another image candidate string's width descriptor value for the same element.

There must not be an image candidate string for an element that has the same *pixel density descriptor* value as another image candidate string's *pixel density descriptor* value for the same element. For the purpose of this requirement, an image candidate string with no descriptors is equivalent to an image candidate string with a 1x descriptor.

If a `<source>` element has a `sizes` attribute present or an `<img>` element has a `sizes` attribute present, all image candidate strings for that element must have the width descriptor specified.

If an image candidate string for a `source` or `<img>` element has the width descriptor specified, all other image candidate strings for that element must also have the width descriptor specified.

The specified width in an image candidate string's width descriptor must match the intrinsic width in the resource given by the image candidate string's URL, if it has an intrinsic width.

> **NOTE:**
> The requirements above imply that images can be static bitmaps (e.g., PNGs, GIFs, JPEGs), single-page vector documents (single-page PDFs, XML files with an SVG root element), animated bitmaps (APNGs, animated GIFs), animated vector graphics (XML files with an SVG root element that use declarative SMIL animation), and so forth. However, these definitions preclude SVG files with script, multipage PDF files, interactive MNG files, HTML documents, plain text documents, and so forth. [PNG] [GIF] [JPEG] [PDF] [XML] [APNG] [SVG11] [MNG]

Native PDF embeds (handwritten annotation)

If the `srcset` attribute is present, the **sizes** attribute may also be present. If present, its value must be a valid source size list.

A **valid source size list** is a string that matches the following grammar: [CSS-VALUES] [MEDIAQ]